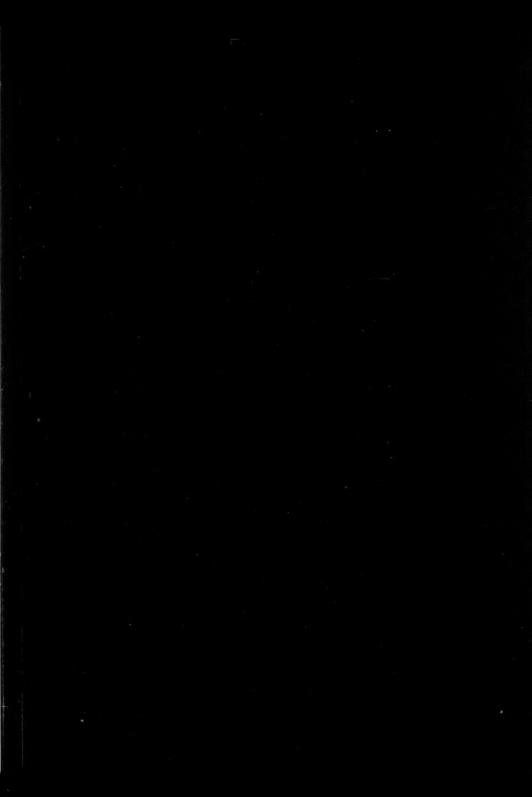
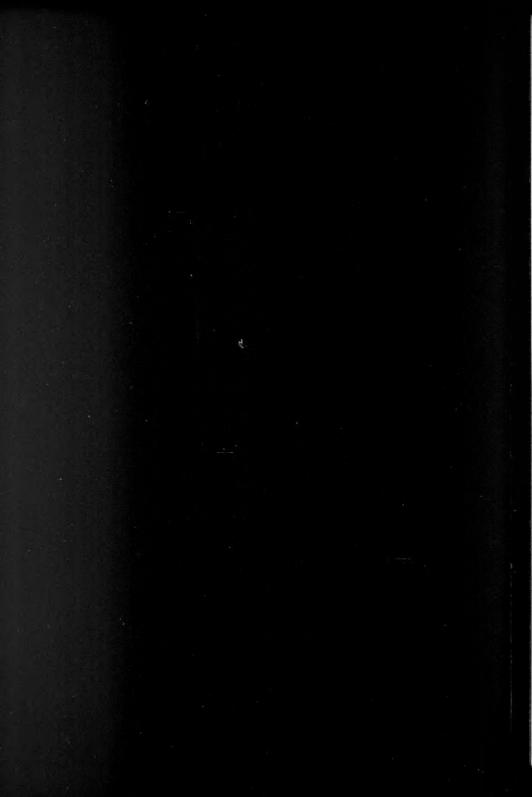
M. Steiner	
Variations on a theme of Frobenius about almost commuting unitary	
matrices	1
H. Faßbender and Kh.D. Ikramov	
Several observations on symplectic, Hamiltonian, and skew-Hamilto-	
nian matrices	15
L. Tunçel and H. Wolkowicz	
Strengthened existence and uniqueness conditions for search directions	
in semidefinite programming	31
JM. Guo	
A new upper bound for the Laplacian spectral radius of graphs	61
A.V. Karzaov	
Concave cocirculations in a triangular grid	67
A. Labra and C. Reyes	
Representations on train algebras of rank 3	91
G. MacGillivray, R.M. Tifenbach and P. van den Driessche	
Spectrally arbitrary star sign patterns	99
R. Pereira, P. Rocha and P. Vettori	
Algebraic tools for the study of quaternionic behavioral systems	121
J.I. Fujii	
A trace inequality arising from quantum information theory	141
D.W. Kribs	
A quantum computing primer for operator theorists	147
YJ. Tan	
On the transitive matrices over distributive lattices	169
Y. She and P. Hao	
On the necessity and sufficiency of <i>PLUS</i> factorizations	193
CK. Li and L. Rodman	
Inverse closed ray-nonsingular cones of matrices	203
M. Fiedler	
Inversion of e-simple block matrices	231
S.K. Neogy and A.K. Das	
Principal pivot transforms of some classes of matrices	243
N. Castro-González and E. Dopazo	
Representations of the Drazin inverse for a class of block matrices .	253

Table of Contents continued

A. Yu, M. Lu and F. Tian	
Characterization on graphs which achieve a Das' upper bound for	
Laplacian spectral radius	271
CH. Li and SY. Yang	
On a conjecture in D-optimal designs with $n \equiv 0 \mod 4 \ldots$	279
CK. Li, YT. Poon and NS. Sze	
Linear maps transforming the higher numerical ranges	291
HK. Du and Y. Li	
The spectral characterization of generalized projections	313
F. Ticozzi	
Optimal commuting approximation of Hermitian operators	319
P. Li and F. Lu	
Additivity of Jordan elementary maps on nest algebras	327
J.A. Rodriguez	
A spectral approach to the Randić index	339
D. Stevanović and I. Stanković	
Remarks on hyperenergetic circulant graphs	345
Call for Papers: 13th ILAS Conference	349
Author index to volume 400	351
From the Editor-in-Chief	353
Referees for volumes 381–400	359
Special Issues and Proceedings in volumes 301–400	365
Author index to volumes 301–400	367









Available online at www.sciencedirect.com

SCIENCE DIRECT®

LINEAR ALGEBRA AND ITS APPLICATIONS

ELSEVIER

Linear Algebra and its Applications 400 (2005) 351-352

www.elsevier.com/locate/laa

Author index to volume 400 (2005)

Castro-González, N. and E. Dopazo, Representations of the Drazin inverse for a class of block matrices 400 (2005) 253

Das, A.K., see Neogy, S.K. 400 (2005) 243 Dopazo, E., see Castro-González, N. 400 (2005) 253

Du, H.-K. and Y. Li, The spectral characterization of generalized projections 400 (2005) 313

Faßbender, H. and Kh.D. Ikramov, Several observations on symplectic, Hamiltonian, and skew-Hamiltonian matrices 400 (2005) 15

Fiedler, M., Inversion of e-simple block matrices 400 (2005) 231

Fujii, J.I., A trace inequality arising from quantum information theory 400 (2005) 141

Guo, J.-M., A new upper bound for the Laplacian spectral radius of graphs 400 (2005) 61

Hao, P., see She, Y. 400 (2005) 193

Ikramov, Kh.D., see Faßbender, H. 400 (2005)

Karzaov, A.V., Concave cocirculations in a triangular grid 400 (2005) 67

Kribs, D.W., A quantum computing primer for operator theorists 400 (2005) 147

Labra, A. and C. Reyes, Representations on train algebras of rank 3 400 (2005) 91

Li, C.-H. and S.-Y. Yang, On a conjecture in D-optimal designs with $n \equiv 0 \mod 4 \pmod 4$

Li, C.-K. and L. Rodman, Inverse closed raynonsingular cones of matrices 400 (2005) 203

Li, C.-K., Y.-T. Poon and N.-S. Sze, Linear maps transforming the higher numerical ranges 400 (2005) 291

Li, P. and F. Lu, Additivity of Jordan elementary maps on nest algebras 400 (2005) 327 Li, Y., see Du, H.-K. 400 (2005) 313 Lu, F., see Li, P. 400 (2005) 327 Lu, M., see Yu, A. 400 (2005) 271

MacGillivray, G., R.M. Tifenbach and P. van den Driessche, Spectrally arbitrary star sign patterns 400 (2005) 99

Neogy, S.K. and A.K. Das, Principal pivot transforms of some classes of matrices 400 (2005) 243

Pereira, R., P. Rocha and P. Vettori, Algebraic tools for the study of quaternionic behavioral systems 400 (2005) 121

Poon, Y.-T., see Li, C.-K. 400 (2005) 291

Reyes, C., see Labra, A. 400 (2005) 91 Rocha, P., see Pereira, R. 400 (2005) 121 Rodman, L., see Li, C.-K. 400 (2005) 203 Rodríguez, J.A., A spectral approach to the Randić index 400 (2005) 339

She, Y. and P. Hao, On the necessity and sufficiency of *PLUS* factorizations 400 (2005)

Stanković, I., see Stevanović, D. 400 (2005)

Steiner, M., Variations on a theme of Frobenius about almost commuting unitary matrices 400 (2005) 1

Stevanović, D. and I. Stanković, Remarks on hyperenergetic circulant graphs 400 (2005)

Sze, N.-S., see Li, C.-K. 400 (2005) 291

Tan, Y.-J., On the transitive matrices over distributive lattices 400 (2005) 169
Tian, F., see Yu, A. 400 (2005) 271

Ticozzi, F., Optimal commuting approximation of Hermitian operators 400 (2005) 319

Tifenbach, R.M., see MacGillivray, G. 400 (2005) 99

Elsevier Inc.

doi:10.1016/S0024-3795(05)00121-7

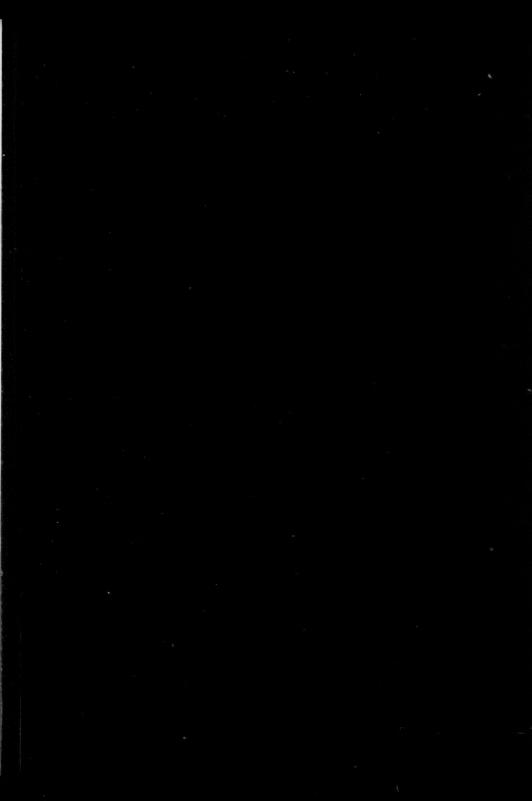
Tuncel, L. and H. Wolkowicz, Strengthened existence and uniqueness conditions for search directions in semidefinite programming 400 (2005) 31

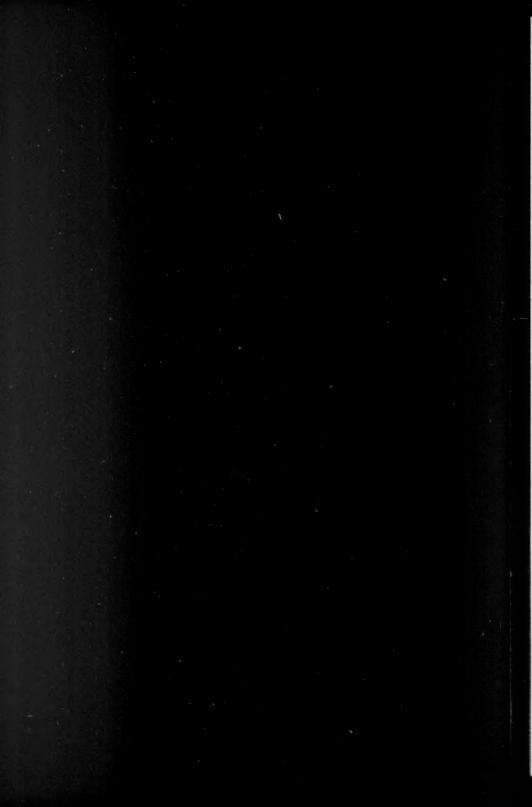
van den Driessche, P., see MacGillivray, G. 400 (2005) 99

Vettori, P., see Pereira, R. 400 (2005) 121

Wolkowicz, H., see Tunçel, L. 400 (2005) 31

Yang, S.-Y., see Li, C.-H. 400 (2005) 279
Yu, A., M. Lu and F. Tian, Characterization on graphs which achieve a Das' upper bound for Laplacian spectral radius 400 (2005) 271







Available online at www.sciencedirect.com

SCIENCE DIRECT®

LINEAR ALGEBRA AND ITS APPLICATIONS

ELSEVIER

Linear Algebra and its Applications 400 (2005) 365-366

www.elsevier.com/locate/laa

Special Issue and Proceedings in volumes 301–400

Bapat, R.B., R. Kaashoek, R. Mathias, T.Y. Tam, and F. Uhlig, Editors: Special Issue on the Tenth Conference of the International Linear Algebra Society, Auburn, USA, 2002, vol. 379 (2004)

Barlow, J., B.N. Parlett, and K. Veselić, Editors: Proceedings of the International Workshop on Accurate Solution of Eigenvalue Problems, University Park, PA, 20–23 July 1998, vol. 309 (2000)

Barlow, J., B.N. Parlett, and K. Veselić, Editors: Special Issue on Accurate Solution of Eigenvalue Problems, vol. 358 (2003)

Bart, H., I. Koltracht, A. Markus, and L. Rodman, Editors: Special Issue in honor of Peter Lancaster, vol. 385 (2004)

Berman, A., L. Elsner, M. Goldberg, and R. Loewy, Editors: Special Issue on the Ninth Conference of the International Linear Algebra Society, Haifa, Israel, 2001, vol. 361 (2003)

Bhatia, R., C.-K. Li, K. Okubo, and M.J. Tsatsomeros, Editors: Special Issue dedicated to Professor T. Ando, vol. 341 (2002)

Bhatia, R., M. Omladič, P. Rosenthal, and P. Šemrl, Editors: Special Issue in honor of Heydar Radjavi, vol. 383 (2004)

Bini, D.A., G. Heinig, and E. Tyrtyshnikov, Editors: Special Issue on Structured Matrices: Analysis, Algorithms and Applications, vol. 366 (2003)

Blondel, V.D., D. Hinrichsen, J. Rosenthal, and P. Van Dooren, Editors: Fourth Special Issue on Linear Systems and Control, vols. 351–352 (2002)

Cain, B., B. Datta, M. Goldberg, U. Rothblum, and D. Szyld, Editors: Special Issue dedicated to Hans Schneider, vols. 302–303 (1999)

Cvetković, D., W. Haemers, and P. Rowlinson, Editors: Special Issue on Algebraic Graph Theory, vol. 356 (2002) Dellnitz, M., S. Kirkland, M. Newmann, and C. Schuette, Editors: Special Issue on Matrices and Mathematical Biology, vol. 398 (2005)

Del Lungo, A., P. Gronchi, and G.T. Herman, Editors: Proceedings of the Workshop on Discrete Tomography: Algorithms and Applications, Certosa di Pontignano, Italy, 2000, vol. 339 (2001)

de Sá, E.M., J.F. Queiró, and A.P. Santana, Editors: Workshop on "Geometric and combinatorial methods in the Hermitian sum spectral problem", University of Coimbra, Portugal, 15–16 July 1999, vol. 319 (2000)

Dewilde, P., V. Olshevsky, and A.H. Sayed, Editors: Special Issue on Structured and Infinite Systems of Linear Equations, vols. 343–344 (2002)

Fallat, S., J. Peña, J. McDonald, and M. Tsatsomeros, Editors: Special Issue on Positivity in Linear Algebra, vol. 393 (2004)

Frommer, A., V. Mehrmann, and R. Nabben, Editors: Special section dedicated to the GAMM workshop Applied and Numerical Linear Algebra with special emphasis on Numerical Methods for Structured and Random Matrices, vol. 380 (2004)

Grassman, W., C. Meyer, B. Stewart, D. Szyld, and A. Langville, Editors: Special Issue devoted to papers presented at the Conference on the Numerical Solution of Markov Chains 2003, vol. 386 (2004)

Happel, D., C.M. Ringel, and J. Drozd, Editors: Special Issue on Linear Algebra Methods in Representation Theory, vol. 365 (2003)

Hershkowitz, D., J.J. McDonald, and R. Nabben, Editors: Special Issue on Nonnegative

- matrices, M-matrices and their generalizations, vol. 363 (2003)
- Higham, N., R. Horn, T.J. Laffey, and F. Puerta, Editors: Proceedings of the 8th Conference of the International Linear Algebra Society, Barcelona, Spain, 1999, vols. 332– 334 (2001)
- Hwang, S.-G., A. Kräuter, B. Shader, and J.-Y. Shao, Editors: Special Issue on Combinatorial Matrix Theory Conference, Pohang, Korea, 2002, vol. 373 (2003)
- Li, C.-K., H. Woerdeman, and F. Zhang, Special Issue devoted to papers presented at the International Meeting on Matrix Analysis and Applications at Nova Southeastern University, Ft. Lauerdale, FL, 14–16 December 2003, vol. 399 (2005)
- Nagy, J., M. Benzi, W. Ferng and X. Bai, Editors: Special Issue: Conference celebrating

- the 60th birthday of Robert J. Plemmons, vol. 316 (2000)
- Puntanen, S., G.P.H. Styan, and H.J. Werner, Editors: Eigth Special Issue on Linear Algebra and Statistics, vol. 321 (2000)
- Puntanen, S., G.P.H. Styan, and H.J. Werner, Editors: Ninth Special Issue on Linear Algebra and Statistics, vol. 354 (2002)
- Puntanen, S., G.P.H. Styan, and H.J. Werner, Editors: Tenth Special Issue (Part 1) on Linear Algebra and Statistics, vol. 388 (2004)
- Rohn, J., S.M. Rump, and T. Yamamoto, Editors: Special Issue on Linear Algebra in Self-Validating Methods, vol. 324 (2001)
- Van Huffel, S., P.C. Hansen, and P. Maass, Editors: Special Issue on Linear Algebra in Signal and Image Processing, vol. 391 (2004)



Available online at www.sciencedirect.com

SCIENCE DIRECTS

LINEAR ALGEBRA AND ITS **APPLICATIONS**

Linear Algebra and its Applications 400 (2005) 367-430

www.elsevier.com/locate/laa

Author index to volumes 301–400

Abdallah, C.T., F. Amato, M. Ariola, P. Dorato and V. Koltchinskii, Statistical learning methods in linear algebra and control problems: the example of finite-time control of uncertain linear systems 351-352 (2002) 11

Abdel-Ghaffar, K.A.S., The determinant of random power series matrices over finite

fields 315 (2000) 139

Abrego, B.M., S. Fernández-Merchant, M.G. Neubauer and W. Watkins, D-optimal weighing designs for $n \equiv -1 \pmod{4}$ objects and a large number of weighings 374 (2003) 175

Absil, P.-A., see Mahony, R. 368 (2003) 343 Accettella, C.J., G.M. Del Corso and G. Manzini, Inversion of two level circulant matrices over Z_p 366 (2003) 5

Adam, M. and J. Maroulas, On compressions of normal matricess 341 (2002) 403

Adkins, W.A. and M.G. Davidson, The Cavley-Hamilton and Frobenius theorems via the Laplace transform 371 (2003) 147

Adukov, V.M., Fractional and Wiener-Hopf factorizations 340 (2002) 199

Agaev, R. and P. Chebotarev, On the spectra of nonsymmetric Laplacian matrices 399 (2005) 157

Agaev, R., see Chebotarev, P. 356 (2002) 253 Agaoka, Y., An algorithm to determine the isomorphism classes of 4-dimensional complex Lie algebras 345 (2002) 85

Agashe, S.D., An algorithm for a result on minimal polynomials 357 (2002) 291

Ahmad, H., The Witt kernels of purely inseparable quartic extensions 395 (2005)

Ahmadi, M.H., J.-H. Baek and S.-G. Hwang, Permanents of doubly stochastic trees 370 (2003) 15

Aigner, M. and H. van der Holst, Interlace polynomials 377 (2004) 11

Akbari, S., H.-R. Fanaï and K. Mahmoudian, On the matrices with constant determinant and permanent over roots of unity 375 (2003) 245

Akbari, S., M. Ghandehari, M. Hadian and A. Mohammadian, On commuting graphs of semisimple rings 390 (2004) 345

Akdeniz, F., see Öztürk, F. 321 (2000) 295

Akkurt, M., G.P. Barker and M. Wild, Structural matrix algebras and their lattices of invariant subspaces 394 (2005) 25

Alaimia, M.R., Weak crossed products and a generalisation of a result of Sarason 318 (2000) 181

Alam, R., On the construction of nearest defective matrices to a normal matrix 395 (2005) 367

Alam, R. and S. Bora, Effect of linear perturbation on spectra of matrices 368 (2003) 329

Alam, R. and S. Bora, On sensitivity of eigenvalues and eigendecompositions of matrices 396 (2005) 273

Alam, R. and S. Bora, Stability of eigenvalues and spectral decompositions under linear perturbation 364 (2003) 189

Albera, L., A. Ferréol, P. Comon and P. Chevalier, Blind Identification of Overcomplete MixturEs of sources (BIOME) 391 (2004) 3

Albertini, F. and D. D'Alessandro, Model identification for spin networks 394 (2005)

Albertini, F. and D. D'Alessandro, The Lie algebra structure and controllability of spin systems 350 (2002) 213

Aldeen, M., see Gong, Z. 340 (2002) 253

Alfakih, A.Y., Graph rigidity via Euclidean distance matrices 310 (2000) 149

Alfakih, A.Y., On rigidity and realizability of weighted graphs 325 (2001) 57

Alfakih, A.Y., On the uniqueness of Euclidean distance matrix completions 370 (2003) 1

Alfakih, A.Y., On the uniqueness of Euclidean distance matrix completions: the case of points in general position 397 (2005) 265

Alfakih, A.Y. and H. Wolkowicz, Two theorems on Euclidean distance matrices and Gale transform 340 (2002) 149

Alieva, A.A. and A.E. Guterman, Linear preservers of rank permutability 384 (2004) 97

Allen, E.J., J. Baglama and S.K. Boyd, Numerical approximation of the product of the square root of a matrix with a vector 310 (2000) 167

Alnajjar, H. and B. Curtin, A family of tridia-

gonal pairs 390 (2004) 369

Alonso, P., R. Cortina, I. Dizz and J. Ranilla, Neville elimination: a study of the efficiency using checkerboard partitioning 393 (2004) 3

Alonso, P., R. Cortina, V. Hernández and J. Ranilla, A study of the performance of Neville elimination using two kinds of partitioning techniques 332–334 (2001) 111

Alpay, D. and C. Dubi, Backward shift operator and finite dimensional de Branges Rovnyak spaces in the ball 371 (2003) 277

Alpay, D. and C. Dubi, Boundary interpolation in the ball 340 (2002) 33

Alpay, D. and C. Dubi, Carathéodory-Fejér interpolation in the ball 359 (2003) 1

Alpay, D. and C. Dubi, Carathéodory Fejér interpolation in the ball with mixed derivatives 382 (2004) 117

Alpay, D. and E. Tsekanovskii, Interpolation theory in sectorial Stieltjes classes and explicit system solutions 314 (2000) 91

Alpay, D., A. Dijksma and H. Langer, Factorization of J-unitary matrix polynomials on the line and a Schur algorithm for generalized Nevanlinna functions 387 (2004) 313

Alpay, D., B. Freydin and P. Loubaton, An extension problem for discrete-time almost periodically correlated stochastic processes 308 (2000) 163

Alpay, D., T. Azizov, A. Dijksma and H. Langer, The Schur algorithm for generalized Schur functions III: *J*-unitary matrix polynomials on the circle 369 (2003) 113

Alpay, D., V. Bolotnikov and H.T. Kaptanoğlu, The Schur algorithm and reproducing kernel Hilbert spaces in the ball 342 (2002) 163

Alpay, D., V. Bolotnikov and L. Rodman, Two-sided residue interpolation in matrix H₂ spaces with symmetries: conformal conjugate involutions 351–352 (2002) 27

Alpay, D., V. Bolotnikov, P. Dewilde and A. Dijksma, Brune sections in the non-stationary case 343–344 (2002) 389

Al'pin, Y.A. and K.D. Ikramov, Reducibility theorems for pairs of matrices as rational criteria 313 (2000) 155

Al'pin, Y.A., A. George and K.D. Ikramov, Solving the two-dimension al CIS problem by a rational algorithm 312 (2000) 115 Alpin, Yu.A., L. Elsner and Kh.D. Ikramov, On condensed forms for partially commuting matrices 306 (2000) 165

Alves, J.F., M.M. Graça, M.E. Sousa Dias and J. Sousa Ramos, A linear algebra approach to the conjecture of Collatz 394 (2005) 277

Alzer, H., A converse of a matrix inequality 323 (2001) 195

Amano, K., M. Fujigami and T. Kogiso, Construction of irreducible relative invariant of the prehomogeneous vector space $(SL_5 \times GL_4, A^2(\mathbb{C}^5) \otimes \mathbb{C}^4)$ 355 (2002) 215

Amaral, P. and P. Barahona, Connections between the total least squares and the correction of an infeasible system of linear inequalities 395 (2005) 191

Amato, F., see Abdallah, C.T. 351-352 (2002)

Amparan, A., S. Marcaida and I. Zaballa, Assignment of infinite structure to an open-loop system 379 (2004) 249

An, G. and J. Hou, Rank-preserving multiplicative maps on $\mathfrak{B}(X)$ 342 (2002) 59

Ancochea, J.M. and O.R. Campoamor, Classification of (n-5)-filiform Lie algebras 336 (2001) 167

Ando, T., Cones and norms in the tensor product of matrix spaces 379 (2004) 3

Ando, T., Löwner inequality of indefinite type 385 (2004) 73

Ando, T., Sets of matrices with common Stein solutions and *H*-contractions 383 (2004) 49

Ando, T. and T. Yamazaki, The iterated Aluthge transforms of a 2-by-2 matrix converge 375 (2003) 299

Ando, T., C.-K. Li and R. Mathias, Geometric means 385 (2004) 305

Angelova, V., see Konstantinov, M. 359 (2003) 197

Anstreicher, K., X. Chen, H. Wolkowicz and Y.-X. Yuan, Strong duality for a trust-region type relaxation of the quadratic assignment problem 301 (1999) 121

Antezana, J., G. Corach and D. Stojanoff, Spectral shorted matrices 381 (2004) 197

Antoulas, A.C. and D.C. Sorensen, Lyapunov, Lanczos, and Inertia 326 (2001) 137

Antoulas, A.C., see Sorensen, D.C. 351-352 (2002) 671

Arapura, D. and C. Peterson, The common invariant subspace problem: an approach via Gröbner bases 384 (2004) 1

Araújo, C.M., J.R. Torregrosa and A.M. Urbano, *N*-matrix completion problem 372 (2003) 111 Araújo, I.C. and M.P. de Oliveira, Volume and variance in the linear statistical model 357 (2002) 303

Arav, M., see Seidman, T.I. 399 (2005) 169 Arıkan, O., see Pınar, M.Ç. 391 (2004) 223

Ariola, M., see Abdallah, C.T. 351-352 (2002)

Arlinskii, Yu.M. and A.B. Popov, On sectorial matrices 370 (2003) 133

Arndt, H., On finite dimension exchange algorithms 380 (2004) 73

Arndt, H.-R. and G. Mayer, On the semi-convergence of interval matrices 393 (2004) 15

Arnold, B.F. and P. Stahlecker, Linear regression analysis using the relative squared error 354 (2002) 3

Arponen, T., A matrix approach to polynomials 359 (2003) 181

Arponen, T., Matrix approach to polynomials 2 394 (2005) 257

Arregi, J.M., see Vera-López, A. 370 (2003) 85 Arregi, J.M., see Vera-López, A. 387 (2004) 193

Ashrafi, A. and P.M. Gibson, An involutory Pascal matrix 387 (2004) 277

Astolfi, A. and P. Colaneri, A note on the existence of positive realizations 390 (2004) 329

Aston, J.A.D. and R.N. Gunn, Statistical estimation with Kronecker products in positron emission tomography 398 (2005) 25

Atzmon, A. and A. Pinkus, Rank restricting functions 372 (2003) 305

Aujla, J.S., On an operator inequality 310 (2000) 43

Aujla, J.S., Some norm inequalities for completely monotone functions-II 359 (2003) 59

Aujla, J.S. and F.C. Silva, Weak majorization inequalities and convex functions 369 (2003) 217

Avrachenkov, K.E. and M. Haviv, Perturbation of null spaces with application to the eigenvalue problem and generalized inverses 369 (2003) 1

Avrachenkov, K.E. and M. Haviv, The first Laurent series coefficients for singularly perturbed stochastic matrices 386 (2004) 243

Azizov, T., see Alpay, D. 369 (2003) 113

Baek, J.-H., see Ahmadi, M.H. 370 (2003) 15 Bagchi, B., T. Bhattacharyya and G. Misra, Some thoughts on Ando's theorem and Parrott's example 341 (2002) 357

Baglama, J., see Allen, E.J. 310 (2000) 167
 Bahi, J.M., K. Rhofir and J.-C. Miellou, Parallel solution of linear DAE's by multisplitting

waveform relaxation methods 332-334 (2001) 181

Bahturin, Y. and V. Drensky, Graded polynomial identities of matrices 357 (2002) 15

Bahturin, Yu.A. and V. Drensky, Identities of bilinear mappings and graded polynomial identities of matrices 369 (2003) 95

Bai, F., see Liang, H. 377 (2004) 291

Bai, H., On the critical group of the *n*-cube 369 (2003) 251

Bai, Z. and R.W. Freund, A partial Padé-via-Lanczos method for reduced-order modeling 332–334 (2001) 139

Bai, Z.-Z. and C.-L. Wang, Convergence theorems for parallel multisplitting two-stage iterative methods for mildly nonlinear systems 362 (2003) 237

Bai, Z.-Z., see Ng, M.K. 366 (2003) 317

Bai, Z.-Z., see Wang, C.-L. 330 (2001) 215 Baksalary, J.K., A new approach to the con-

Baksalary, J.K., A new approach to the concept of a strong unified-least-squares matrix 388 (2004) 7

Baksalary, J.K., An elementary development of the equation characterizing best linear unbiased estimators 388 (2004) 3

Baksalary, J.K. and G.P.H. Styan, Generalized inverses of partitioned matrices in Banachiewicz–Schur form 354 (2002) 41

Baksalary, J.K. and J. Hauke, Characterizations of minus and star orders between the squares of Hermitian matrices 388 (2004) 53

Baksalary, J.K. and O.M. Baksalary, Commutativity of projectors 341 (2002) 129

Baksalary, J.K. and O.M. Baksalary, Idempotency of linear combinations of two idempotent matrices 321 (2000) 3

Baksalary, J.K. and O.M. Baksalary, Nonsingularity of linear combinations of idempotent matrices 388 (2004) 25

Baksalary, J.K. and O.M. Baksalary, On linear combinations of generalized projectors 388 (2004) 17

Baksalary, J.K. and O.M. Baksalary. Relationships between generalized inverses of a matrix and generalized inverses of its rank-one-modifications 388 (2004) 31

Baksalary, J.K. and X. Liu, An alternative characterization of generalized projectors 388 (2004) 61

Baksalary, J.K., J. Hauke, X. Liu and S. Liu, Relationships between partial orders of matrices and their powers 379 (2004) 277

Baksalary, J.K., O.M. Baksalary and G. Trenkler, A revisitation of formulae for the Moore–Penrose inverse of modified matrices 372 (2003) 207 Baksalary, J.K., O.M. Baksalary and G.P.H. Styan, Idempotency of linear combinations of an idempotent matrix and a tripotent matrix 354 (2002) 21

Baksalary, J.K., O.M. Baksalary and H.Özdemir, A note on linear combinations of commuting tripotent matrices 388 (2004) 45

Baksalary, J.K., O.M. Baksalary and T. Szulc, A property of orthogonal projectors 354 (2002) 35

Baksalary, J.K., O.M. Baksalary and T. Szulc, Properties of Schur complements in partitioned idempotent matrices 379 (2004) 303

Baksalary, J.K., O.M. Baksalary and X. Liu, Further properties of generalized and hypergeneralized projectors 389 (2004) 295

Baksalary, J.K., O.M. Baksalary and X. Liu, Further properties of the star, left-star, right-star, and minus partial orderings 375 (2003) 83

Baksalary, J.K., O.M. Baksalary and X. Liu, Further relationships between certain partial orders of matrices and their squares 375 (2003) 171

Baksalary, O.M., Idempotency of linear combinations of three idempotent matrices, two of which are disjoint 388 (2004) 67

Baksalary, O.M., see Baksalary, J.K. 321 (2000) 3

Baksalary, O.M., see Baksalary, J.K. 341 (2002) 129

Baksalary, O.M., see Baksalary, J.K. 354 (2002) 21

Baksalary, O.M., see Baksalary, J.K. 354 (2002) 35

Baksalary, O.M., see Baksalary, J.K. 372 (2003) 207

Baksalary, O.M., see Baksalary, J.K. 375 (2003) 83

Baksalary, O.M., see Baksalary, J.K. 375 (2003) 171

Baksalary, O.M., see Baksalary, J.K. 379 (2004) 303

Baksalary, O.M., see Baksalary, J.K. 388 (2004) 17

Baksalary, O.M., see Baksalary, J.K. 388 (2004) 25

Baksalary, O.M., see Baksalary, J.K. 388 (2004) 31

Baksalary, O.M., see Baksalary, J.K. 388 (2004) 45

Baksalary, O.M., see Baksalary, J.K. 389 (2004) 295

Bakule, L., J. Rodellar and J.M. Rossell, Controllability-observability of expanded composite systems 332–334 (2001) 381 Balakrishnan, R., The energy of a graph 387 (2004) 287

Balasubramanian, K. and M.I. Beg, Three isomorphic vector spaces—applications to binomial identities, Urn models and order statistics 388 (2004) 79

Ball, J.A. and V. Bolotnikov, On a bitangential interpolation problem for contractivevalued functions on the unit ball 353

(2002) 107

Ballico, E., Rank factorization and bordering of regular matrices over commutative rings 305 (2000) 187

Balogh, E., A. Kuba, C. Dévényi and A. Del Lungo, Comparison of algorithms for reconstructing hv-convex discrete sets 339 (2001) 23

Balser, W., Linear systems with nilpotent leading term 369 (2003) 145

Banks, W., A. Harcharras, S. Neuwirth and E. Ricard, Matrix inequalities with applications to the theory of iterated kernels 362 (2003) 275

Bapat, R. and M. Neumann, Inequalities for permanents involving Perron complements 385 (2004) 95

Bapat, R.B., Linear estimation in models based on a graph 302–303 (1999) 223

Bapat, R.B., Moore–Penrose inverse of set inclusion matrices 318 (2000) 35

Bapat, R.B., Outer inverses: Jacobi type identities and nullities of submatrices 361 (2003) 107

Bapat, R.B., Perron eigenvector of the Tsetlin matrix 363 (2003) 3

Bapat, R.B., S.K. Jain and J. Tynan, Decomposition of generalized polynomial symmetric matrices 376 (2004) 69

Baragaña, I., V. Fernández and I. Zaballa, Hermite indices and equivalence relations 379 (2004) 201

Baragaña, I. and I. Zaballa, Feedback invariants of restrictions and quotients: Series connected systems 351–352 (2002) 69

Barahona, P., see Amaral, P. 395 (2005) 191
Bárány, I. and K. Fukuda, A case when the union of polytopes is convex 397 (2005) 381

union of polytopes is convex 397 (2005) 381 Barchini, L. and M.R. Sepanski, Finite-reductive dual pairs in G_2 340 (2002) 123

Barcucci, E., A. Del Lungo, M. Nivat and R. Pinzani, X-rays characterizing some classes of discrete sets 339 (2001) 3

Barg, A., S. Guritman and J. Simonis, Strengthening the Gilbert-Varshamov bound 307 (2000) 119

Baribeau, L. and S. Roy, Caractérisation spectrale de la forme de Jordan 320 (2000) 183

Barik, S. and S. Pati, On algebraic connectivity and spectral integral variations of graphs 397 (2005) 209

Barioli, F., Chains of dog-ears for completely positive matrices 330 (2001) 49

Barioli, F. and A. Berman, The maximal cprank of rank *k* completely positive matrices 363 (2003) 17

Barioli, F., C. De Vivo and C. Metelli, On vector spaces with distinguished subspaces and redundant base 374 (2003) 107

Barioli, F., S. Fallat and L. Hogben, Computation of minimal rank and path cover number for certain graphs 392 (2004) 289

Barker, G.P., see Akkurt, M. 394 (2005) 25 Barlow, J., see Fu, H. 391 (2004) 75

Barlow, J.L. and I. Slapničar, Optimal perturbation bounds for the Hermitian eigenvalue problem 309 (2000) 19

Barlow, J.L., N. Bosner and Z. Drmač, A new stable bidiagonal reduction algorithm 397 (2005) 35

Barnabei, M. and L.B. Montefusco, On a class of matrices with low displacement rank 325 (2001) 161

Barnes, E.R., Review of Selected Papers of Alan Hofmann with Commentary, edited by Charles Micchelli 394 (2005) 347

Barraa, M., Convexoid and generalized derivations 350 (2002) 289

Barrett, W. and S. Pierce, Null spaces of correlation matrices 368 (2003) 129

Barrett, W., H.T. Hall and R. Loewy, A nonpolyhedral cone of class function inequalities for positive semidefinite matrices 302–303 (1999) 535

Barrett, W., see Omran, M.O. 336 (2001) 131 Bart, H. and A.P.M. Wagelmans, An integer programming problem and rank decomposition of block upper triangular matrices 305 (2000) 107

Bart, H., I. Gohberg, M.A. Kaashoek and A.C.M. Ran, Schur complements and state space realizations 399 (2005) 203

Bart, H., I. Koltracht, A. Markus and L. Rodman, Personal notes 385 (2004) 7

Bart, H., T. Ehrhardt and B. Silbermann, Logarithmic residues of analytic Banach algebra valued functions possessing a simply meromorphic inverse 341 (2002) 327

Başer, U. and J.M. Schumacher, The equivalence structure of descriptor representations of systems with possibly inconsistent initial conditions 318 (2000) 53

Basharin, G.P., A.N. Langville and V.A. Naumov, The life and work of A.A. Markov 386 (2004) 3 Basilio, J.C., Inversion of polynomial matrices via state-space 357 (2002) 259

Basilio, J.C. and M.V. Moreira, A robust solution of the generalized polynomial Bezout identity 385 (2004) 287

Basor, E.L. and T. Ehrhardt, Some identities for determinants of structured matrices 343–344 (2002) 5

Bauch, M.J., Another algorithm for nonnegative matrices 365 (2003) 3

Baur, F. and W.J. Ricker, The Weyl calculus and a Cayley-Hamilton theorem for pairs of selfadjoint matrices 319 (2000) 103

Bayat, M. and H. Teimoori, Pascal k-eliminated functional matrix and its property 308 (2000) 65

Bazán, F.S.V., Error analysis of signal zeros: a projected companion matrix approach 369 (2003) 153

Beasley, L., see Stuart, J.L. 346 (2002) 261
Beasley, L.B. and S. Kirkland, A note on k-primitive directed graphs 373 (2003) 67

Beasley, L.B. and S.-G. Lee, Linear operators preserving multivariate majorization 304 (2000) 141

Beasley, L.B. and S.-Z. Song, Linear operators that preserve zero-term rank over fields and rings 341 (2002) 143

Beasley, L.B., A.E. Guterman, S.-G. Lee and S.-Z. Song, Linear transformations preserving the Grassmannian over $\mathcal{M}_n(\mathbb{Z}_+)$ 393 (2004) 39

Beasley, L.B., S.-G. Lee and S.-Z. Song, Linear operators that preserve pairs of matrices which satisfy extreme rank properties 350 (2002) 263

Beasley, L.B., S.-G. Lee and Y.-H. Lee, A characterization of strong preservers of matrix majorization 367 (2003) 341

Beasley, L.B., S.-Z. Song, K.-T. Kang and B.K. Sarma, Column ranks and their preservers over nonnegative real matrices 399 (2005) 3

Beattie, C. and I.C.F. Ipsen, Inclusion regions for matrix eigenvalues 358 (2003) 281

Bebiano, N., J. da Providência Jr. and R. Lemos, Matrix inequalities in statistical mechanics 376 (2004) 265

Bebiano, N., R. Lemos and J. da Providência, Numerical ranges of unbounded operators arising in quantum physics 381 (2004) 259

Bebiano, N., R. Lemos, J. da Providência and G. Soares, On the geometry of numerical ranges in spaces with an indefinite inner product 399 (2005) 17

Beg, M.I., see Balasubramanian, K. 388 (2004)

- Behn, A. and A.B. Van der Merwe, An algorithmic version of the theorem by Latimer and MacDuffee for 2 × 2 integral matrices 346 (2002) 1
- Behrends, E. and F. Mädler, Transformations into optimal parallelism in euclidean spaces (or: how to explain the shape of the electron-density distribution inside a crystal) 337 (2001) 139
- Beidar, K.I., M. Brešar and M.A. Chebotar, Jordan isomorphisms of triangular matrix algebras over a connected commutative ring 312 (2000) 197
- Bekjan, T.N., On joint convexity of trace functions 390 (2004) 321
- Bekker, M.B. and A.A. Nudel'man, Tangential interpolation problems for a class of automorphic matrix-functions 397 (2005) 171
- Belcastro, s.-m. and T.C. Hull, Modelling the folding of paper into three dimensions using affine transformations 348 (2002) 273
- Belitskii, G.R. and V.V. Sergeichuk, Complexity of matrix problems 361 (2003) 203
- Bell, F.K. and S.K. Simić, On graphs whose star complement for −2 is a path or a cycle 377 (2004) 249
- Bell, J. and A.R. Sourour, Additive rank-one preserving mappings on triangular matrix algebras 312 (2000) 13
- Belyi, S. and E. Tsekanovskii, On Krein's formula in indefinite metric spaces 389 (2004) 305
- Benanti, F. and M.G. Campanella, On the *-cocharacter sequence of 3 × 3 matrices 312 (2000) 101
- Bénasséni, J., A complementary proof of an eigenvalue property in correspondence analysis 354 (2002) 49
- Bender, J. and K. Bongartz, Minimal singularities in orbit closures of matrix pencils 365 (2003) 13
- Ben-Israel, A., An application of the matrix volume in probability 321 (2000) 9
- Benito, P., C. Draper and A. Elduque, Models of the octonions and G_2 371 (2003) 333
- Benkovič, D., Jordan derivations and antiderivations on triangular matrices 397 (2005) 235
- Benlarbi Delai, M., Description de AlgLatTl W(T) pour certaines extensions d'opérateurs auto-adjoints 322 (2001) 43
- Benoit, A., L. Brenner, P. Fernandes and B. Plateau, Aggregation of stochastic automata networks with replicas 386 (2004) 111

- Ben Taher, R. and M. Rachidi, Linear recurrence relations in the algebra of matrices and applications 330 (2001) 15
- Ben Taher, R. and M. Rachidi, On the matrix powers and exponential by the *r*-generalized Fibonacci sequences methods: the companion matrix case 370 (2003) 341
- Ben Taher, R. and M. Rachidi, Some explicit formulas for the polynomial decomposition of the matrix exponential and applications 350 (2002) 171
- Bentler, P.M., see Hayashi, K. 321 (2000) 153 Benzi, M., A direct projection method for Markov chains 386 (2004) 27
- Bermúdez, J.M.A. and R. Campoamor, Completable filiform Lie algebras 367 (2003) 185
- Bermúdez, J.M.A. and R. Campoamor, On characteristically nilpotent Lie algebras of type *Q* 367 (2003) 193
- Berman, A. and C. Xu, {0,1} Completely positive matrices 399 (2005) 35
- Berman, A. and C. Xu, 5 × 5 Completely positive matrices 393 (2004) 55
- Berman, A. and X.-D. Zhang, Lower bounds for the eigenvalues of Laplacian matrices 316 (2000) 13
- Berman, A., R. Shorten and D. Leith, Positive matrices associated with synchronised communication networks 393 (2004) 47
- Berman, A., see Barioli, F. 363 (2003) 17 Bernik, J., R. Guralnick and M. Mastnak, Reduction theorems for groups of matrices 383
- (2004) 119
 Berry, M.W., see Jiang, E.P. 316 (2000) 137
 Bertram, W., From linear algebra via affine algebra to projective algebra 378 (2004) 109
- Bessenrodt, C., M.R. Pournaki and A. Reifegerste, A note on the orthogonal basis of a certain full symmetry class of tensors 370 (2003) 369
- Beth, T., see Schmid, M. 306 (2000) 131
- Beyn, W.-J., see Vladimirov, A. 312 (2000) 125 Bhanu Murthy, N.L. and M.K. Srinivasan, The polytope of degree sequences of hypergraphs 350 (2002) 147
- Bhatia, R., On the exponential metric increasing property 375 (2003) 211
- Bhatia, R., Partial traces and entropy inequalities 370 (2003) 125
- Bhatia, R. and C. Davis, A key inequality for functions of matrices 323 (2001) 1
- Bhatia, R. and F. Kittaneh, Cartesian decompositions and Schatten norms 318 (2000) 109
- Bhatia, R. and F. Kittaneh, Notes on matrix arithmetic–geometric mean inequalities 308 (2000) 203

- Bhatia, R. and J.A. Dias da Silva, Variation of induced linear operators 341 (2002) 391
- Bhatia, R. and K.B. Sinha, Derivations, derivatives and chain rules 302–303 (1999) 231
- Bhatia, R., M. Omladič, P. Rosenthal and P. Šemrl, A survey of Heydar Radjavi 383 (2004) 1
- Bhattacharyya, S.P., see Ho, M.-T. 302-303 (1999) 135
- Bhattacharyya, S.P., see Ho, M.-T. 320 (2000) 23
- Bhattacharyya, S.P., see Keel, L.H. 351-352 (2002) 501
- Bhattacharyya, T., see Bagchi, B. 341 (2002) 357
- Bhaya, A., E. Kaszkurewicz and R. Santos, Characterizations of classes of stable matrices 374 (2003) 159
- Bhaya, A., E. Kaszkurewicz and Y. Su, Stability of asynchronous two-dimensional Fornasini–Marchesini dynamical systems 332–334 (2001) 257
- Biggs, N., Chromatic polynomials and representations of the symmetric group 356 (2002) 3
- Binding, P. and A. Markus, Joint zero sets and ranges of several Hermitian forms over complex and quaternionic scalars 385 (2004) 63
- Bini, D.A. and A. Böttcher, Polynomial factorization through Toeplitz matrix computations 366 (2003) 25
- Bini, D.A. and B. Meini, Non-skip-free M/G/ 1-type Markov chains and Laurent matrix power series 386 (2004) 187
- Bini, D.A., G. Latouche and B. Meini, Solving matrix polynomial equations arising in queueing problems 340 (2002) 225
- Bini, D.A., G. Latouche and B. Meini, Solving nonlinear matrix equations arising in Tree-Like stochastic processes 366 (2003) 39
- Bini, D.A., L. Gemignani and B. Meini, Computations with infinite Toeplitz matrices and polynomials 343–344 (2002) 21
- Birmajer, D., On subalgebras of $n \times n$ matrices not satisfying identities of degree 2n 2 387 (2004) 133
- Bıyıkoğlu, T., A discrete nodal domain theorem for trees 360 (2003) 197
- Biyikoğlu, T., W. Hordijk, J. Leydold, T. Pisanski and P.F. Stadler, Graph Laplacians, nodal domains, and hyperplane arrangements 390 (2004) 155
- Blanes, S. and F. Casas, On the convergence and optimization of the Baker-Campbell-Hausdorff formula 378 (2004) 135

- Blondel, V.D. and N. Portier, The presence of a zero in an integer linear recurrent sequence is NP-hard to decide 351–352 (2002) 91
- Blondel, V.D., Y. Nesterov and J. Theys, On the accuracy of the ellipsoid norm approximation of the joint spectral radius 394 (2005) 91
- Bo, Z., The changes in indices of modified graphs 356 (2002) 95
- Bo, Z., see Liu, B. 317 (2000) 193
- Bobrovnikova, E.Y. and S.A. Vavasis, A norm bound for projections with complex weights 307 (2000) 69
- Bochi, J., Inequalities for numerical invariants of sets of matrices 368 (2003) 71
- Bocklandt, R., Symmetric quiver settings with a regular ring of invariants 365 (2003) 25
- Bojanczyk, A., S. Qiao and A.O. Steinhardt, Unifying unitary and hyperbolic transformations 316 (2000) 183
- Bojanczyk, A.W., An implicit Jacobi-like method for computing generalized hyperbolic SVD 358 (2003) 293
- Bolla, M., Distribution of the eigenvalues of random block-matrices 377 (2004) 219
- Bollhöfer, M., A robust ILU with pivoting based on monitoring the growth of the inverse factors 338 (2001) 201
- Bolotnikov, V., A boundary Nevanlinna–Pick problem for a class of analytic matrix-valued functions in the unit ball 346 (2002) 239
- Bolotnikov, V. and L. Rodman, Finite dimensional backward shift invariant subspaces of Arveson spaces 349 (2002) 265
- Bolotnikov, V. and L. Rodman, Normal forms and joint numerical ranges of doubly commuting matrices 301 (1999) 187
- Bolotnikov, V. and L. Rodman, On positivity of analytic matrix functions in polydisks 328 (2001) 69
- Bolotnikov, V. and P.A. Smith, Positive extension problems for a class of structured matrices 381 (2004) 165
- Bolotnikov, V., A. Kheifets and L. Rodman, Jet functions having indefinite Carathéodory-Pick matrices 385 (2004) 215
- Bolotnikov, V., A. Kheifets and L. Rodman, Pairs of functions with indefinite Pick matrices 367 (2003) 271
- Bolotnikov, V., see Alpay, D. 342 (2002) 163 Bolotnikov, V., see Alpay, D. 343–344 (2002)
- Bolotnikov, V., see Alpay, D. 351-352 (2002)
- Bolotnikov, V., see Ball, J.A. 353 (2002) 107

Boman, E. and I. Koltracht, Computing preconditioners via subspace projection 302– 303 (1999) 347

Bondar, J.V., Schur majorization inequalities for symmetrized sums with applications to tensor products 360 (2003) 1

Bondarenko, V.M., Linear operators on Sgraded vector spaces 365 (2003) 45

Bondyfalat, D., B. Mourrain and V.Y. Pan, Computation of a specified root of a polynomial system of equations using eigenvectors 319 (2000) 193

Bongartz, K., see Bender, J. 365 (2003) 13

Bora, S., see Alam, R. 364 (2003) 189

Bora, S., see Alam, R. 368 (2003) 329

Bora, S., see Alam, R. 396 (2005) 273

Borcea, L., see Druskin, V. 396 (2005) 103Borobia, A. and S. Dormido, Three coefficients of a polynomial can determine its in-

stability 338 (2001) 67 Borobia, A., J. Moro and R. Soto, Negativity compensation in the nonnegative inverse eigenvalue problem 393 (2004) 73

Borobia, A., see Soto, R. 396 (2005) 223

Boros, T., T. Kailath and V. Olshevsky, A fast parallel Björck–Pereyra-type algorithm for solving Cauchy linear equations 302–303 (1999) 265

Boros, T., T. Kailath and V. Olshevsky, Pivoting and backward stability of fast algorithms for solving Cauchy linear equations 343–344 (2002) 63

Borovićanin, B., see Petrović, M. 380 (2004) 173

Borovikov, V., see Mirman, B. 329 (2001) 61 Borovykh, N. and M.N. Spijker, The sharpness of stability estimates corresponding to a general resolvent condition 311 (2000) 161

Bortoletti, A. and C. Di Fiore, On a set of matrix algebras related to discrete Hartley-type transforms 366 (2003) 65

Bose, N.K., see Lin, Z. 338 (2001) 125

Boshnakov, G.N., Multi-companion matrices 354 (2002) 53

Bosner, N., see Barlow, J.L. 397 (2005) 35

Bostian, A.A. and H.J. Woerdeman, Unicity of minimal rank completions for tri-diagonal partial block matrices 325 (2001) 23

Botha, J.D., Sums of diagonalizable matrices 315 (2000) 1

Böttcher, A. and S.M. Grudsky, Can spectral value sets of Toeplitz band matrices jump? 351–352 (2002) 99

Böttcher, A., M. Embree and V.I. Sokolov, Infinite Toeplitz and Laurent matrices with localized impurities 343–344 (2002) 101

Böttcher, A., M. Embree and V.I. Sokolov, On large Toeplitz band matrices with an uncertain block 366 (2003) 87

Böttcher, A., see Bini, D.A. 366 (2003) 25

Bourin, J.-C., Singular values of compressions, restrictions and dilations 360 (2003) 259

Bourin, J.-C., Total dilations 368 (2003) 159 Bourin, J.-C., Total dilations II 374 (2003) 19 Boyd, S.K., see Allen, E.J. 310 (2000) 167

Boyle, M. and D. Lind, Small polynomial matrix presentations of nonnegative matrices 355 (2002) 49

Brüstle, T., On positive roots of pg-critical algebras 365 (2003) 107

Brüstle, T. and V.V. Sergeichuk, Estimate of the number of one-parameter families of modules over a tame algebra 365 (2003) 115

Bracke, M., S. Feldmann and D. Prätzel-Wolters, Parameter depending state space descriptions of index-2-matrix polynomials 347 (2002) 59

Braconnier, T., P. Langlois and J.C. Rioual, The influence of orthogonality on the Arnoldi method 309 (2000) 307

Bradley, J.T., N.J. Dingle, W.J. Knottenbelt and H.J. Wilson, Hypergraph-based parallel computation of passage time densities in large semi-Markov models 386 (2004) 311

Bradshow, D. and A. Tovbis, On formal solutions to matrix version of a reduced Kacvan Moerbeke equation 384 (2004) 207

Brandts, J., The Riccati algorithm for eigenvalues and invariant subspaces of matrices with inexpensive action 358 (2003) 335

Brenner, L., see Benoit, A. 386 (2004) 111 Brenner, S., On the kernel of an irreducible

map 365 (2003) 91

Brenner, S., M.C.R. Butler and A.D. King, Irreducible maps and bilinear forms 365 (2003) 99

Brešar, M., see Beidar, K.I. 312 (2000) 197 Brewer, J. and L. Klingler, On feedback invar-

Brewer, J. and L. Klingler, On feedback invariants for linear dynamical systems 325 (2001) 209

Brewer, J. and W. Schmale, (A,B)-cyclic submodules 301 (1999) 63

Brezinski, C. and M. Redivo Zaglia, A Schur complement approach to a general extrapolation algorithm 368 (2003) 279

Brezinski, C. and M. Redivo-Zaglia, New vector sequence transformations 389 (2004) 189

Brieden, A. and S. Cokus, On the hardness of efficiently approximating maximal non-L submatrices 377 (2004) 195

Britz, T., The inverse of a non-singular free matrix 338 (2001) 245

- Britz, T., D.D. Olesky and P. van den Driessche, The Moore-Penrose inverse of matrices with an acyclic bipartite graph 390 (2004) 47
- Brouwer, A.E. and W.H. Haemers, Eigenvalues and perfect matchings 395 (2005) 155
- Brown, E.S. and I.M. Spitkovsky, On flat portions on the boundary of the numerical range 390 (2004) 75
- Bru, R., C. Coll and E. Sánchez, Structural properties of positive linear time-invariant difference-algebraic equations 349 (2002) 1
- Bru, R., F. Pedroche and D.B. Szyld, Overlapping additive and multiplicative Schwarz iterations for H-matrices 393 (2004) 91
- Bru, R., S. Romero and E. Sánchez, Canonical forms for positive discrete-time linear control systems 310 (2000) 49
- Brualdi, R.A., A tribute to Hans Schneider 302-303 (1999) 3
- Brualdi, R.A., Linear preservers and diagonal hypergraphs 373 (2003) 51
- Brualdi, R.A., Minimal nonnegative integral matrices and uniquely determined (0,1)-matrices 341 (2002) 351
- Brualdi, R.A. and G. Dahl, Majorization-constrained doubly stochastic matrices 361 (2003) 75
- Brualdi, R.A. and G. Dahl, Matrices of zeros and ones with given line sums and a zero block 371 (2003) 191
- Brunetti, S., A. Del Lungo and Y. Gerard, On the computational complexity of reconstructing three-dimensional lattice sets from their two-dimensional X-rays 339 (2001) 59
- Brunetti, S., A. Del Lungo, F. Del Ristoro, A. Kuba and M. Nivat, Reconstruction of 4and 8-connected convex discrete sets from row and column projections 339 (2001) 37
- Bu, C.J., Linear maps preserving Drazin inverses of matrices over fields 396 (2005) 159 Buchholz, P. and T. Dayar, Block SOR for
- Kronecker structured representations 386 (2004) 83
- Bueno, M.I. and F. Marcellán, Darboux transformation and perturbation of linear functionals 384 (2004) 215
- Bunch, J.R., R.C. Le Borne and I.K. Proudler, Applying numerical linear algebra techniques to analyzing algorithms in signal processing 361 (2003) 133
- Bünger, F., F. Knüppel and K. Nielsen, The product of two quadratic matrices 331 (2001) 31
- Burke, J.V., A.S. Lewis and M.L. Overton, Two numerical methods for optimizing matrix stability 351–352 (2002) 117

- Butkovič, P., Max-algebra: the linear algebra of combinatorics? 367 (2003) 313
- Butkovič, P., see Cuninghame-Green, R.A. 389 (2004) 107
- Butkovic, P., see Gaubert, S. 301 (1999) 195 Butler, M.C.R., see Brenner, S. 365 (2003) 99
- Cabral, I., F.C. Silva and I. Zaballa, Feedback invariants of a pair of matrices with prescribed columns 332–334 (2001) 447
- Cabrera, M. and A.A. Mohammed, A representation theorem for algebras with commuting involutions 306 (2000) 25
- Cachafeiro, A., F. Marcellán and C. Pérez, Lebesgue perturbation of a quasi-definite Hermitian functional. The positive definite case 369 (2003) 235
- Cai, J.-L. and B.-Y. Wang, The characterization of symmetric primitive matrices with exponent n-1 364 (2003) 135
- Cai, M.-C. and X.-Q. Jin, A note on T. Chan's preconditioner 376 (2004) 283
- Cain, B.E., Group homomorphisms h_i such that $h_1(x_1) + \cdots + h_n(x_n) = y$ is solvable 360 (2003) 191
- Caldeira, C. and J.A. Dias da Silva, The invariant polynomials degrees of the Kronecker sum of two linear operators and additive theory 315 (2000) 125
- Calvetti, D. and L. Reichel, Pole placement preconditioning 366 (2003) 99
- Calvetti, D., B. Lewis and L. Reichel, GMRES-type methods for inconsistent systems 316 (2000) 157
- Calvetti, D., B. Lewis and L. Reichel, On the selection of poles in the single-input pole placement problem 302–303 (1999) 331
- Calvetti, D., L. Reichel and A. Shuibi, Enriched Krylov subspace methods for illposed problems 362 (2003) 257
- Camacho, L.M., J.R. Gómez and R.M. Navarro, Algebra of derivations of Lie algebras 332–334 (2001) 371
- Câmara, M.C. and M.T. Malheiro, Wiener– Hopf factorization for a group of exponentials of nilpotent matrices 320 (2000) 79
- Camlibel, M.K. and J.M. Schumacher, Existence and uniqueness of solutions for a class of piecewise linear dynamical systems 351– 352 (2002) 147
- Campanella, M. and G. Garbo, The structure of the state representation of shift invariant controllable and observable group codes 319 (2000) 163
- Campanella, M.G., see Benanti, F. 312 (2000) 101

Campoamor, O.R., see Ancochea, J.M. 336 (2001) 167

Campoamor, R., see Bermúdez, J.M.A. 367 (2003) 185

Campoamor, R., see Bermúdez, J.M.A. 367 (2003) 193

Campoamor-Stursberg, R., A graph theoretical determination of solvable complete rigid Lie algebras 372 (2003) 53

Cánovas, M.J., see López, M.A. 357 (2002) 83 Cantero, M.J., L. Moral and L. Velázquez, Five-diagonal matrices and zeros of orthogonal polynomials on the unit circle 362 (2003)29

Cantó, R. and A.M. Urbano, On the Segre characteristic of a block triangular matrix 302-303 (1999) 245

Cao, C.-g. and X. Zhang, Additive rank-one preserving surjections on symmetric matrix spaces 362 (2003) 145

Cao, C.-G. and X. Zhang, Linear preservers between matrix modules over connected commutative rings 397 (2005) 355

Cao, C.G., see Tang, X.M. 338 (2001) 145 Cao, H.-X., Z.-B. Xu, J.-H. Zhang and W.-H. Li, Matrix-traces on C^* -algebra $M_n(A)$ 345 (2002) 255

Cao, H.-x., see Ren, F.-G. 371 (2003) 103 Cao, H.-X., see Zhang, J.-H. 392 (2004) 61 Cao, S., see Yong, X. 317 (2000) 201

Cao, W. and X. Wang, Friedland-Hersonsky problem for matrix algebra 372 (2003) 67

Cao, Y., Automorphisms of the Lie algebra of strictly upper triangular matrices over certain commutative rings 329 (2001) 175

Cao, Y. and J. Wang, A note on algebra automorphisms of strictly upper triangular matrices over commutative rings 311 (2000) 187

Cao, Y. and Z. Tan, Automorphisms of the Lie algebra of strictly upper triangular matrices over a commutative ring 360 (2003)

Cao, Y., Z. Chen and C. Huang, Commutativity preserving linear maps and Lie automorphisms of strictly triangular matrix space 350 (2002) 41

Cao, Z.-H. and M. Wang, A note on Krylov subspace methods for singular systems 350

(2002) 285

Cardoso, J.R. and F. Silva Leite, Theoretical and numerical considerations about Padé approximants for the matrix logarithm 330 (2001) 31

Cardoso, J.R. and F.S. Leite, The Moser-Veselov equation 360 (2003) 237

Carlson, D. and F. Uhlig, Report on the Educational Program at the Hans Schneider Linear Algebra Conference, Madison, Wisconsin, 3-6 June 1998 302-303 (1999)

Carnochan Nagvi, S. and J.J. McDonald, Eventually nonnegative matrices are similar to seminonnegative matrices 381 (2004) 245

Carriazo, A., L.M. Fernández and J. Núñez, Combinatorial structures associated with Lie algebras of finite dimension 389 (2004)

Carriegos, M., J.A. Hermida-Alonso and T. Sánchez-Giralda, Pole-shifting for linear systems over commutative rings 346 (2002)

Carriegos, M.V. and M.I. Garcia-Planas, On matrix inverses modulo a subspace 379 (2004) 229

Carroll, J.E., Birkhoff's contraction coefficient 389 (2004) 227

Carroll, J.E., T. Lauck and R.H. Lamberson. A Perron Theorem for positive componentwise bilinear maps 396 (2005) 259

Casas, F., see Blanes, S. 378 (2004) 135

Casciola, G., F. Fabbri and L.B. Montefusco. An application of fast factorization algorithms in Computer Aided Geometric Design 366 (2003) 121

Castillo, E., F. Jubete, R.E. Pruneda and C. Solares, Obtaining simultaneous solutions of linear subsystems of inequalities and duals 346 (2002) 131

Caston, L., M. Savova, I. Spitkovsky and N. Zobin, On eigenvalues and boundary curvature of the numerical range 322 (2001) 129

Castro-González, N. and E. Dopazo, Representations of the Drazin inverse for a class of block matrices 400 (2005) 253

Castro González, N., J.J. Koliha and Y. Wei, Perturbation of the Drazin inverse for matrices with equal eigenprojections at zero 312 (2000) 181

Catalisano, M.V., A.V. Geramita and A. Gimigliano, Ranks of tensors, secant varieties of Segre varieties and fat points 355 (2002)

Catalisano, M.V., A.V. Geramita and A. Gimigliano, Erratum to: "Ranks of tensors, secant varieties of Segre varieties and fat points" [Linear Algebra Appl. 355 (2002) 263-285] 367 (2003) 347

Catral, M., L. Han, M. Neumann and R.J. Plemmons, On reduced rank nonnegative matrix factorization for symmetric nonnegative matrices 393 (2004) 107

Cavaretta, A.S. and L. Smithies, Lipschitztype bounds for the map $A \rightarrow |A|$ on $\mathcal{L}(\mathcal{H})$ 360 (2003) 231

- Cavazos-Cadena, R., An alternative derivation of Birkhoff's formula for the contraction coefficient of a positive matrix 375 (2003) 291
- Cavers, M.S. and K.N. Vander Meulen, Spectrally and inertially arbitrary sign patterns 394 (2005) 53
- Cechlárová, K., A note on unsolvable systems of max-min (fuzzy) equations 310 (2000) 123
- Cechlárová, K. and R.A. Cuninghame-Green, Interval systems of max-separable linear equations 340 (2002) 215
- Cegielski, A., Obtuse cones and Gram matrices with non-negative inverse 335 (2001)
- Censor, Y., Binary steering in discrete tomography reconstruction with sequential and simultaneous iterative algorithms 339 (2001) 111
- Chaganty, N.R., see Vaish, A.K. 388 (2004) 379
- Chaitin-Chatelin, F., V. Toumazou and E. Traviesas, Accuracy assessment for eigencomputations: Variety of backward errors and pseudospectra 309 (2000) 73
- Chalmers, B.L., M.P. Prophet and J.M. Ribando, Simplicial cones and the existence of shape-preserving cyclic operators 375 (2003) 157
- Chan, J.-T. and K. Chan, The cone of nonnegative c-numerical range and its preservers 323 (2001) 75
- Chan, J.-T., C.-K. Li and N.-S. Sze, Isometries for unitarily invariant norms 399 (2005) 53 Chan, K., see Chan, J.-T. 323 (2001) 75
- Chan, R.H., T.F. Chan, L. Shen and Z. Shen, Wavelet deblurring algorithms for spatially varying blur from high-resolution image reconstruction 366 (2003) 139
- Chan, R.H., see Ng, M.K. 316 (2000) 89
- Chan, T.F. and C.K. Wong, Convergence of the alternating minimization algorithm for blind deconvolution 316 (2000) 259
- Chan, T.F., see Chan, R.H. 366 (2003) 139
- Chan, T.F., see Ng. M.K. 316 (2000) 89
 Chandrasckaran, S. and M. Gu, Fast and stable eigendecomposition of symmetric banded plus semi-separable matrices 313
- (2000) 107 Chang, A. and F. Tian, On the spectral radius of unicyclic graphs with perfect matchings 370 (2003) 237
- Chang, A. and Q. Huang, Ordering trees by their largest eigenvalues 370 (2003) 175
- Chapman, S.T., J.I. García-García, P.A. García-Sánchez and J.C. Rosales, Computing

- the elasticity of a Krull monoid 336 (2001)
- Chebotar, M.A., see Beidar, K.I. 312 (2000) 197
- Chebotarev, P. and R. Agaev, Forest matrices around the Laplacian matrix 356 (2002) 253
- Chebotarev, P., see Agaev, R. 399 (2005) 157Chen, D. and S. Toledo, Combinatorial characterization of the null spaces of symmetric H-matrices 392 (2004) 71
- Chen, G.-N. and Y.-J. Hu, Multiple Nevanlinna–Pick interpolation with both interior and boundary data and its connection with the power moment problem 323 (2001) 167
- Chen, G.-N. and Y.-J. Hu, The Nevanlinna– Pick interpolation problems and power moment problems for matrix-valued functions III: The infinitely many data case 306 (2000) 59
- Chen, G.-N., see Hu, Y.-J. 380 (2004) 227
- Chen, G.-N., see Yang, Z.-H. 308 (2000) 31 Chen, H. and M. Chen, On products of three
- triangular matrices over associative rings 387 (2004) 297
- Chen, J., see You, H. 338 (2001) 261
- Chen, L., W. Eberly, E. Kaltofen, B.D. Saunders, W.J. Turner and G. Villard, Efficient matrix preconditioners for black box linear algebra 343–344 (2002) 119
- Chen, M., see Chen, H. 387 (2004) 297
- Chen, M.-Q. and X. Li, An estimation of the spectral radius of a product of block matrices 379 (2004) 267
- Chen, Q. and X. Zhou, Characterization of joint spectral radius via trace 315 (2000) 175
- Chen, S., A lower bound for the minimum eigenvalue of the Hadamard product of matrices 378 (2004) 159
- Chen, S., A property concerning the Hadamard powers of inverse *M*-matrices 381 (2004) 53
- Chen, S., Some determinantal inequalities for Hadamard product of matrices 368 (2003)
- Chen, S., see Shi, Y. 323 (2001) 7
- Chen, T., see Qiu, L. 379 (2004) 345
- Chen, T.-Y. and J.W. Demmel, Balancing sparse matrices for computing eigenvalues 309 (2000) 261
- Chen, X., Y. Shogenji and M. Yamasaki, Verification for existence of solutions of linear complementarity problems 324 (2001) 15
- Chen, X., see Anstreicher, K. 301 (1999) 121 Chen, X., see Chen, Y.-L. 308 (2000) 85
- Chen, Y., A. Nokrane and T. Ransford, Estimates for the spectrum near algebraic elements 308 (2000) 153

- Chen, Y.-L. and X. Chen, Representation and approximation of the outer inverse $A_{T,S}^{(2)}$ of a matrix A 308 (2000) 85
- Chen, Z., see Cao, Y. 350 (2002) 41
- Chen, Z., see Garvey, S.D. 385 (2004) 335
- Cheng, C.C.-A., Quadratic linear Keller maps 348 (2002) 203
- Cheng, C.-M. and C.-K. Li, On the Hu–Hurley–Tam conjecture concerning the generalized numerical range 305 (2000) 87
- Cheng, C.-M. and X.-Q. Jin, Some stability properties of T. Chan's preconditioner 395 (2005) 361
- Cheng, C.-M., R.A. Horn and C.-K. Li, Inequalities and equalities for the Cartesian decomposition of complex matrices 341 (2002) 219
- Cheng, M. and S. Xu, Perturbation analysis of the Hermitian positive definite solution of the matrix equation $X - A^*X^{-2}A = I$ 394 (2005) 39
- Cheng, M.-y., see Zhang, X. 370 (2003) 163
- Cheng, S. and Y. Tian, Two sets of new characterizations for normal and EP matrices 375 (2003) 181
- Cheng, S.H. and N.J. Higham, The nearest definite pair for the Hermitian generalized eigenvalue problem 302–303 (1999) 63
- Cheng, S.S. and H.-T. Yen, On a discrete nonlinear boundary value problem 313 (2000) 193
- Cheon, G.-S. and B.L. Shader, Sparsity of orthogonal matrices with restrictions 306
- Cheon, G.-S. and J.-S. Kim, Factorial Stirling matrix and related combinatorial sequences 357 (2002) 247
- Cheon, G.-S. and J.-S. Kim, Stirling matrix via Pascal matrix 329 (2001) 49
- Cheon, G.-S., S.-G. Hwang, B.L. Shader and S.-Z. Song, Permanents of woven matrices 364 (2003) 223
- Cheon, G.-S., S.-G. Hwang, S.-H. Rim and S.-Z. Song, Matrices determined by a linear recurrence relation among entries 373 (2003) 89
- Cheon, G.-S., S.-G. Hwang, S.-H. Rim, B.L. Shader and S.-Z. Song, Sparse orthogonal matrices 373 (2003) 211
- Cheen, S.-J., see Song, S.-Z. 373 (2003) 197
- Chern, S.-J., Stability theory for linear dissipative Hamiltonian systems 357 (2002) 143
- Cheung, G. and N.-K. Tsing, On star-centers of some generalized numerical ranges and diagonals of normal matrices 337 (2001) 109
- Cheung, W.-S., C.-K. Li, D.D. Olesky and P. van den Driessche, Optimizing quadratic

- forms of adjacency matrices of trees and related eigenvalue problems 325 (2001)
- Cheung, W.-S., S. Fallat and C.-K. Li, Multiplicative preservers on semigroups of matrices 355 (2002) 173
- Chevalier, P., see Albera, L. 391 (2004) 3
- Chiang, H. and C.-K. Li, Linear maps leaving the alternating group invariant 340 (2002)
- Chien, M.-T. and H. Nakazato, Davis–Wielandt shell and *q*-numerical range 340 (2002) 15
- Chien, M.-T. and H. Nakazato, The c-numerical range of tridiagonal matrices 335 (2001) 55
- Chien, M.-T. and H. Nakazato, The numerical range of linear pencils of 2-by-2 matrices 341 (2002) 69
- Chien, M.-T., H. Nakazato and P. Psarrakos, Point equation of the boundary of the numerical range of a matrix polynomial 347 (2002) 205
- Chikuse, Y., Hermite and Laguerre polynomials with complex matrix arguments 388 (2004) 91
- Chikuse, Y., Methods of density estimation on the Grassmann manifold 354 (2002) 85
- Chin, W., B. Cortzen and J. Goldman, Linear cellular automata with boundary conditions 322 (2001) 193
- Ching, W.-K., see Lin, F.-R. 370 (2003) 269 Ching, W.-K., see Lin, F.-R. 391 (2004) 149
- Chlebowicz, A., A. Sładek and M. Wołowiec-Musiał, Automorphisms of certain forms of higher degree over ordered fields 331 (2001) 145
- Cho, G.E. and C.D. Meyer, Comparison of perturbation bounds for the stationary distribution of a Markov chain 335 (2001) 137
- Cho, G.E. and C.D. Meyer, Markov chain sensitivity measured by mean first passage times 316 (2000) 21
- Cho, H.H. and S.-R. Kim, Factorizations of matrices over semirings 373 (2003) 289
- Cho, H.H., C.Y. Hong, S.-R. Kim, C.H. Park and Y. Nam, On $\mathfrak{A}(R, S)$ all of whose members are indecomposable 332–334 (2001) 119
- Chō, M., R.E. Curto and T. Huruya, *n*-Tuples of operators satisfying $\sigma_T(AB) = \sigma_T(BA)$ 341 (2002) 291
- Chō, M., see Tanahashi, K. 382 (2004) 221
- Choi, G.-S., S.-G. Hwang, I.-P. Kim and B.L. Shader, (±1)-Invariant sequences and truncated Fibonacci sequences 395 (2005) 303

- Choi, M.-D. and C.-K. Li, Norm bounds for summation of two normal matrices 379 (2004) 137
- Choi, Y.S., I. Koltracht and P.J. McKenna, On eigen-structure of a nonlinear map in Rⁿ 399 (2005) 141
- Choi, Y.S., I. Koltracht, P.J. McKenna and N. Savytska, Global monotone convergence of Newton iteration for a nonlinear eigen-problem 357 (2002) 217
- Chooi, W.L. and M.H. Lim, Coherence invariant mappings on block triangular matrix spaces 346 (2002) 199
- Chooi, W.L. and M.H. Lim, Some linear preserver problems on block triangular matrix algebras 370 (2003) 25
- Chooi, W.L., M.H. Lim and P. Šemrl, Adjacency preserving maps on upper triangular matrix algebras 367 (2003) 105
- Choudhry, A., Extraction of *n*th roots of 2 × 2 matrices 387 (2004) 183
- Christensen, E., On invertibility preserving linear mappings, simultaneous triangularization and Property L 301 (1999) 153
- Christensen, O. and A.M. Lindner, Decomposition of Riesz frames and wavelets into a finite union of linearly independent sets 355 (2002) 147
- Christensen, O. and A.M. Lindner, Frames of exponentials: lower frame bounds for finite subfamilies and approximation of the inverse frame operator 323 (2001) 117
- Christianson, H. and V. Reiner, The critical group of a threshold graph 349 (2002) 233
- Chu, D. and B. De Moor, On a variational formulation of the QSVD and the RSVD 311 (2000) 61
- Chu, D. and B. De Moor, On the nonuniqueness of the factorization factors in the product singular value decomposition 314 (2000) 191
- Chu, D. and Y.S. Hung, A numerical solution for the simultaneous disturbance decoupling and row-by-row decoupling problem 320 (2000) 37
- Chu, E.K.-w. and W.-W. Lin, Perturbation of eigenvalues for periodic matrix pairs via the Bauer-Fike theorems 378 (2004) 183
- Chu, E.K.-W., H.-Y. Fan and W.-W. Lin, A structure-preserving doubling algorithm for continuous-time algebraic Riccati equations 396 (2005) 55
- Chu, M., N. Del Buono, F. Diele, T. Politi and S. Ragni, On the semigroup of standard symplectic matrices and its applications 389 (2004) 215

- Chu, M.T., F. Diele and I. Sgura, Gradient flow methods for matrix completion with prescribed eigenvalues 379 (2004) 85
- Chu, M.T., R.E. Funderlic and R.J. Plemmons, Structured low rank approximation 366 (2003) 157
- Chu, M.T., V.P. Pauca, R.J. Plemmons and X. Sun, A mathematical framework for the linear reconstructor problem in adaptive optics 316 (2000) 113
- Chu, T.H., On semimonotone matrices with nonnegative principal minors 367 (2003) 147
- Cigler, G., Matrix groups with independent spectra 327 (2001) 27

 Climent L. Land C. Perea Comparison theo-
- Climent, J.-J. and C. Perea, Comparison theorems for weak splittings in respect to a proper cone of nonsingular matrices 302–303 (1999) 355
- Climent, J.-J., N. Thome and Y. Wei, A geometrical approach on generalized inverses by Neumann-type series 332–334 (2001) 533
- by Neumann-type series 332–334 (2001) 533 Clotet, J., M.D. Magret and X. Puerta, Perturbation of quadrics 355 (2002) 223
- Clotet, J., M.I. Garcia-Planas and M.D. Magret, Estimating distances from quadruples satisfying stability properties to quadruples not satisfying them 332–334 (2001) 541
- Codenotti, B., Matrix rigidity 304 (2000) 181 Codenotti, B. and G. Resta, Computation of sparse circulant permanents via determi-
- nants 355 (2002) 15 Codenotti, B., G. Del Corso and G. Manzini,
- Matrix rank and communication complexity 304 (2000) 193 Coffman, A., Real congruence of complex ma-
- trix pencils and complex projections of real Veronese varieties 370 (2003) 41
- Cohen, G., S. Gaubert and J.-P. Quadrat, Duality and separation theorems in idempotent semimodules 379 (2004) 395
- Cohen, J.E., J.H.B. Kemperman and G.H. Zbăganu, A family of inequalities originating from coding of messages 395 (2005) 1
- Cohen, N. and I. Lewkowicz, A characterization of convex cones of matrices with constant regular inertia 318 (2000) 23
- Cohen, N. and I. Lewkowicz, A pair of matrices sharing common Lyapunov solutions —A closer look 360 (2003) 83
- Cokus, S., see Brieden, A. 377 (2004) 195
- Colaneri, P., see Astolfi, A. 390 (2004) 329 Coll, C., see Bru, R. 349 (2002) 1
- Colombo, J. and P. Koshlukov, Central polynomials in the matrix algebra of order two 377 (2004) 53
- Comon, P., see Albera, L. 391 (2004) 3

Compta, A. and J. Ferrer, Matricial realizations of the solutions of the Carlson problem 353 (2002) 197

Compta, A., J. Ferrer and F. Puerta, Miniversal deformations of marked matrices 361 (2003) 181

Compta, A., J. Ferrer and M. Peña, Dimension of the orbit of marked subspaces 379 (2004) 239

Condon, A. and M. Saks, A limit theorem for sets of stochastic matrices 381 (2004) 61

Constantine, D. and M. Darnall, Lengths of finite dimensional representations of PBW algebras 395 (2005) 175

Constantinescu, T., A.H. Sayed and T. Kailath, Inverse scattering experiments, structured matrix inequalities, and tensor algebra 343–344 (2002) 147

Cooke, R., see Kurowicka, D. 372 (2003) 225 Corach, G. and D. Stojanoff, Index of Hadamard multiplication by positive matrices II 332–334 (2001) 503

Corach, G., A. Maestripieri and D. Stojanoff, Generalized Schur complements and oblique projections 341 (2002) 259

Corach, G., see Antezana, J. 381 (2004) 197
Correa, I., I.R. Hentzel and L.A. Peresi, On the solvability of the commutative power-associative nilalgebras of dimension 6 369 (2003) 185

Correa, I., I.R. Hentzel, P.P. Julca and L.A. Peresi, Nilpotent linear transformations and the solvability of power-associative nilalgebras 396 (2005) 35

Cortina, R., see Alonso, P. 332–334 (2001) 111 Cortina, R., see Alonso, P. 393 (2004) 3 Cortzen, B., see Chin, W. 322 (2001) 193

Cossi, L., see Oliveira, V.A. 369 (2003) 203Cossidente, A. and A. Siciliano, On tangent spaces and external flats to Grassmannians

of lines over finite fields 347 (2002) 81 Coulton, P. and H. Gauchman, Invariant subspaces of two Hermitian structures on a Euclidean space 301 (1999) 113

Crans, A.S., S.M. Fallat and C.R. Johnson, The Hadamard core of the totally nonnegative matrices 328 (2001) 203

Cravo, G. and F.C. Silva, Eigenvalues of matrices with several prescribed blocks 311 (2000) 13

Cravo, G. and F.C. Silva, Eigenvalues of matrices with several prescribed blocks, II 364 (2003) 81

Cravo, G. and F.C. Silva, The number of nonconstant invariant polynomials of matrices with several prescribed blocks 368 (2003) 107 Cravo, G., J.A. Dias da Silva and F.C. Silva, Characteristic polynomials and controlability of partially prescribed matrices 335 (2001) 157

Cui, J., J. Hou and B. Li, Linear preservers on upper triangular operator matrix algebras

336 (2001) 29

Cui, J., M. Guo and J. Hou, Rank-1 nilpotency linear preservers on nest algebras 377 (2004) 267

Cui, J., see Hou, J. 359 (2003) 219 Cui, J., see Hou, J. 369 (2003) 263

Cuninghame-Green, R.A. and P. Butkovič, Bases in max-algebra 389 (2004) 107

Cuninghame-Green, R.A., see Cechlárová, K. 340 (2002) 215

Cunningham, W.H. and Y. Wang, On the even permutation polytope 389 (2004) 269

Curgus, B., A. Dijksma and T. Read, The linearization of boundary eigenvalue problems and reproducing kernel Hilbert spaces 329 (2001) 97

Curtin, B., see Alnajjar, H. 390 (2004) 369 Curto, R.E., see Chō, M. 341 (2002) 291

Cvetković, D., Graphs with least eigenvalue –2; a historical survey and recent developments in maximal exceptional graphs 356 (2002) 189

Cvetković, D., P. Fowler, P. Rowlinson and D. Stevanović, Constructing fullerene graphs from their eigenvalues and angles 356 (2002) 37

Cvetković, D., P. Rowlinson and S.K. Simić, Some characterizations of graphs by star complements 301 (1999) 81

da Cruz, H.F. and J.A. Dias da Silva, Equality of immanantal decomposable tensors, II 395 (2005) 95

da Fonseca, C.M., The inertia of Hermitian block matrices with zero main diagonal 311 (2000) 153

da Fonseca, C.M. and J. Petronilho, Explicit inverses of some tridiagonal matrices 325 (2001) 7

D'Alessandro, D., see Albertini, F. 350 (2002) 213

D'Alessandro, D., see Albertini, F. 394 (2005)

Dagum, E.B. and A. Luati, A linear transformation and its properties with special applications in time series filtering 388 (2004) 107

Dahl, G., A note on diagonally dominant matrices 317 (2000) 217

Dahl, G., Principal majorization ideals and optimization 331 (2001) 113 Dahl, G., The doubly graded matrix cone and Ferrers matrices 368 (2003) 171

Dahl, G., Tridiagonal doubly stochastic matrices 390 (2004) 197

Dahl, G., see Brualdi, R.A. 361 (2003) 75 Dahl, G., see Brualdi, R.A. 371 (2003) 191

Dai, H., see Xie, H. 374 (2003) 143

Dame, L.F., D.D. Olesky and P. van den Driessche, The exponent and circumdiameter of primitive digraphs 396 (2005) 243

Damm, T., Minimal representations of inverted Sylvester and Lyapunov operators 363 (2003) 35

Damm, T., Positive groups on \mathcal{H}^n are completely positive 393 (2004) 127

Damm, T., State-feedback H^x-type control of linear systems with time-varying parameter uncertainty 351–352 (2002) 185

Damm, T. and D. Hinrichsen, Newton's method for a rational matrix equation occurring in stochastic control 332–334 (2001) 81

Damm, T. and D. Hinrichsen, Newton's method for concave operators with resolvent positive derivatives in ordered Banach spaces 363 (2003) 43

Dancis, J., Ranks and inertias of Hermitian block Toeplitz matrices 353 (2002) 21

da Providência, J., see Bebiano, N. 381 (2004) 259

da Providência, J., see Bebiano, N. 399 (2005) 17

da Providência Jr., J., see Bebiano, N. 376 (2004) 265

Darnall, M., see Constantine, D. 395 (2005) 175

Das, A.K., see Mohan, S.R. 323 (2001) 87 Das, A.K., see Mohan, S.R. 338 (2001) 275

Das, A.K., see Neogy, S.K. 400 (2005) 243

Das, K.Ch., A characterization on graphs which achieve the upper bound for the largest Laplacian eigenvalue of graphs 376 (2004) 173

Das, K.ch., An improved upper bound for Laplacian graph eigenvalues 368 (2003) 269

Das, K.Ch., Sharp lower bounds on the Laplacian eigenvalues of trees 384 (2004) 155

da Silva, A.P. and A. Sri Ranga, Polynomials generated by a three term recurrence relation: bounds for complex zeros 397 (2005) 299

da Silva, I.P.F., Recursivity and geometry of the hypercube 397 (2005) 223

Datta, A., see Ho, M.-T. 302-303 (1999) 135 Datta, A., see Ho, M.-T. 320 (2000) 23

Datta, B.N., Stability and inertia 302-303 (1999) 563

Daubechies, I. and J.C. Lagarias, Corrigendum/addendum to: Sets of matrices all infinite products of which converge 327 (2001) 69

Dauxois, J., G.M. Nkiet and Y. Romain, Canonical analysis relative to a closed subspace 388 (2004) 119

Davidson, M.G., see Adkins, W.A. 371 (2003)

Davies, E.B., G.M.L. Gladwell, J. Leydold and P.F. Stadler, Discrete nodal domain theorems 336 (2001) 51

Davis, C., see Bhatia, R. 323 (2001) 1

Davis, Ch. and A. Salemi, On polynomial numerical hulls of normal matrices 383 (2004) 151

Davydova, N.V., O. Diekmann and S.A. van Gils, On circulant populations. I. The algebra of semelparity 398 (2005) 185

Dawson, K.J., The evolution of a population under recombination: how to linearise the dynamics 348 (2002) 115

Dax, A., A modified Gram-Schmidt algorithm with iterative orthogonalization and column pivoting 310 (2000) 25

Dax, A., The adventures of a simple algorithm 361 (2003) 41

Dax, A., The Orthogonal Rayleigh Quotient Iteration (ORQI) method 358 (2003) 23Dayar, T., see Buchholz, P. 386 (2004) 83

DeAlba, L.M. and L. Hogben, Completions of P-matrix Patterns 319 (2000) 83

de Boor, C., On Pták's derivation of the Jordan normal form 310 (2000) 9

De Cat, T., K. Dekimpe and P. Igodt, Translations in simply transitive affine actions of Heisenberg type Lie groups 359 (2003) 101

Dedieu, J.-P. and F. Tisseur, Perturbation theory for homogeneous polynomial eigenvalue problems 358 (2003) 71

de Durana, J.M.G. and J.-M. Gracia, Geometric multiplicity margin for a submatrix 349 (2002) 77

Defez, E., see Durán, A.J. 345 (2002) 71

Dekimpe, K., see De Cat, T. 359 (2003) 101

Dekoninck, B. and S. Nicaise, The eigenvalue problem for networks of beams 314 (2000) 165

de la Peña, J.A., Periodic Coxeter matrices 365 (2003) 135

De Lathauwer, L. and J. Vandewalle, Dimensionality reduction in higher-order signal processing and rank-(R₁,R₂,...,R_N) reduction in multilinear algebra 391 (2004) 31

Del Buono, N., see Chu, M. 389 (2004) 215 Del Corso, G., see Codenotti, B. 304 (2000) Del Corso, G.M., see Accettella, C.J. 366 (2003) 5

de Lima, T.P., see Silva, M.S. 364 (2003) 281 Dellacherie, C., S. Martínez and J. San Martín, Description of the sub-Markov kernel associated to generalized ultrametric matrices. An algorithmic approach 318 (2000) 1

Del Lungo, A., see Balogh, E. 339 (2001) 23 Del Lungo, A., see Barcucci, E. 339 (2001) 3

Del Lungo, A., see Brunetti, S. 339 (2001) 37

Del Lungo, A., see Brunetti, S. 339 (2001) 59 Del Ristoro, F., see Brunetti, S. 339 (2001) 37 Demmel, J.W., see Chen, T.-Y. 309 (2000) 261

De Moor, B., see Chu, D. 311 (2000) 63

De Moor, B., see Chu, D. 314 (2000) 191 De Moor, B., see Li, B. 348 (2002) 23

de Oliveira, M.P., see Araújo, I.C. 357 (2002) 303

De Pierro, A.R. and M. Wei, Some new properties of the equality constrained and weighted least squares problem 320 (2000) 145

Derevyagin, M. and V. Derkach, Spectral problems for generalized Jacobi matrices 382 (2004) 1

Derisavi, S., P. Kemper and W.H. Sanders, Symbolic state-space exploration and numerical analysis of state-sharing composed models 386 (2004) 137

Derkach, V., see Derevyagin, M. 382 (2004) 1 de Så, E.M. and Y.-L. Zhang, Ranks of submatrices and the off-diagonal indices of a square matrix 305 (2000) 1

de Sá, E.M. and Y.-L. Zhang, The number of Kronecker indices of square pencils of a special kind 305 (2000) 15

De Schutter, B., On the ultimate behavior of the sequence of consecutive powers of a matrix in the max-plus algebra 307 (2000) 103

De Simone, C., G. Gasparyan and P. Nobili, Non-regular square bipartite designs 348 (2002) 63

de Snoo, H., see Sandovici, A. 397 (2005) 141 Dette, H. and W.J. Studden, Matrix measures, moment spaces and Favard"s theorem for the interval [0, 1] and [0, ∞) 345 (2002) 169

Dette, H. and W.J. Studden, Quadrature formulas for matrix measures—a geometric approach 364 (2003) 33

Deuflhard, P. and M. Weber, Robust Perron cluster analysis in conformation dynamics 398 (2005) 161

Deuflhard, P., W. Huisinga, A. Fischer and Ch. Schütte, Identification of almost invariant aggregates in reversible nearly uncoupled Markov chains 315 (2000) 39 Devasahayam, M.P., see Nagarajan, K.R. 348 (2002) 1

Dévényi, C., see Balogh, E. 339 (2001) 23 De Vivo, C., see Barioli, F. 374 (2003) 107

de Werra, D., Partitioning the edge set of a bipartite graph into chain packings: complexity of some variations 368 (2003) 315

Dewilde, P. and A.-J. van der Veen, Inner-outer factorization and the inversion of locally finite systems of equations 313 (2000) 53

Dewilde, P., see Alpay, D. 343–344 (2002) 389 Dhillon, I.S. and A.N. Malyshev, Inner deflation for symmetric tridiagonal matrices 358 (2003) 139

Dhillon, I.S. and B.N. Parlett, Multiple representations to compute orthogonal eigenvectors of symmetric tridiagonal matrices 387 (2004) 1

Dhillon, I.S., see Parlett, B.N. 309 (2000) 121 Dhorne, T., see Marin, J.-M. 354 (2002) 195 Diao, H., see Wei, Y. 399 (2005) 109

Dias da Silva, J.A., Colorings and equality of tensors 342 (2002) 79

Dias da Silva, J.A. and C.R. Johnson, Cospectrality and similarity for a pair of matrices under multiplicative and additive composition with diagonal matrices 326 (2001) 15

Dias da Silva, J.A. and H. Godinho, Critical polynomials related to generalized derivations 370 (2003) 315

Dias da Silva, J.A. and H. Godinho, Generalized derivations and additive theory 342 (2002) 1

Dias da Silva, J.A., see Bhatia, R. 341 (2002) 391

Dias da Silva, J.A., see Caldeira, C. 315 (2000) 125

Dias da Silva, J.A., see Cravo, G. 335 (2001) 157

Dias da Silva, J.A., see da Cruz, H.F. 395 (2005) 95

Díaz, I., see Alonso, P. 393 (2004) 3

Díaz-Ramos, J.C. and E. García-Río, A note on the structure of algebraic curvature tensors 382 (2004) 271

Di Benedetto, F., The mth difference operator applied to L^2 functions on a finite interval 366 (2003) 173

Didi Biha, M. and A.R. Mahjoub, The k-edge connected subgraph problem I: Polytopes and critical extreme points 381 (2004) 117

Dieci, L. and A. Papini, Padé approximation for the exponential of a block triangular matrix 308 (2000) 183

Diekmann, O., see Davydova, N.V. 398 (2005) 185

Diele, F. and I. Sgura, Centrosymmetric isospectral flows and some inverse eigenvalue problems 366 (2003) 199

Diele, F., see Chu, M. 389 (2004) 215 Diele, F., see Chu, M.T. 379 (2004) 85

Di Fiore, C. and P. Zellini, Matrix algebras in optimal preconditioning 335 (2001) 1

Di Fiore, C., F. Lepore and P. Zellini, Hartleytype algebras in displacement and optimization strategies 366 (2003) 215

Di Fiore, C., see Bortoletti, A. 366 (2003) 65 Di Gesù, V. and C. Valenti, Two-view "cylindrical decomposition" of binary images 339 (2001) 205

Dijksma, A., see Curgus, B. 329 (2001) 97 Dijksma, A., see Alpay, D. 343-344 (2002) 389 Dijksma, A., see Alpay, D. 369 (2003) 113 Dijksma, A., see Alpay, D. 387 (2004) 313

Ding, J., New perturbation results on pseudoinverses of linear operators in Banach spaces 362 (2003) 229

Ding, J. and W.C. Pve, On the spectrum and pseudoinverse of a special bordered matrix 331 (2001) 11

Ding, J., L.R. Hitt and X.-M. Zhang, Markov chains and dynamic geometry of polygons 367 (2003) 255

Dingle, N.J., see Bradley, J.T. 386 (2004) 311 Dittmann, J., On the curvature of monotone metrics and a conjecture concerning the Kubo-Mori metric 315 (2000) 83

Djordjević, D.S., see Stanimirović, P.S. 311 (2000) 131

Dlab, V. and P. Lakatos, On spectral radii of Coxeter transformations 365 (2003) 143

Dobovišek, M., On minimal solutions of the matrix equation AX - YB = 0.325 (2001) 81

Dobovišek, M., Simultaneous symmetrization 383 (2004) 107

Đoković, D.Ž. and K.D. Ikramov, On the congruence of square real matrices 353 (2002) 149

Đoković, D.Ž. and K. Zhao, Tridiagonal normal forms for orthogonal similarity classes of symmetric matrices 384 (2004) 77

Dolinar, G., Maps on matrix algebras preserving idempotents 371 (2003) 287

Dolinar, G. and P. Semrl, Determinant preserving maps on matrix algebras 348 (2002) 189

Domanov, I.Yu. and M.M. Malamud, Invariant and hyperinvariant subspaces of an operator J2 and related operator algebras in Sobolev spaces 348 (2002) 209

Domokos, M., On the dimension of faithful modules over finite dimensional basic algebras 365 (2003) 155

Domokos, M., Poincaré series of semi-invariants of 2×2 matrices 310 (2000) 183

Donati, G., On Pappus' configuration in noncommutative projective geometry 331 (2001) 203

Doob. M., Circulant graphs det(-A(G)) = -deg(G): codeterminants with K_n 340 (2002) 87

Doob, M. and W.H. Haemers, The complement of the path is determined by its spectrum 356 (2002) 57

Dopazo, E., see Castro-González, N. 400 (2005) 253

Dopico, F.M., J. Moro and J.M. Molera, Weyl-type relative perturbati on bounds for eigensystems of Hermitian matrices 309 (2000) 3

Dorato, P., see Abdallah, C.T. 351-352 (2002)

Dormido, S., see Borobia, A. 338 (2001) 67 Došlý, O., R. Hilscher and V. Zeidan, Nonnegativity of discrete quadratic functionals corresponding to symplectic difference systems 375 (2003) 21

Dräxler, P., Tame biextensions of derived tame hereditary algebras 365 (2003) 159

Draper, C., see Benito, P. 371 (2003) 333 Dreier, D., see Harper, L.H. 368 (2003) 209

Drensky, V., see Bahturin, Y. 357 (2002) 15

Drensky, V., see Bahturin, Yu.A. 369 (2003)

Drew, J.H., C.R. Johnson and F. Lam, Complete positivity of matrices of special form 327 (2001) 121

Drew, J.H., C.R. Johnson, D.D. Olesky and P. van den Driessche, Spectrally arbitrary patterns 308 (2000) 121

Drew, J.H., C.R. Johnson, S.J. Kilner and A.M. McKay, The cycle completable graphs for the completely positive and doubly nonnegative completion problems 313 (2000)

Dreyfus, T., T. Eisenberg and F. Uhlig, Report on the educational activities during the 9th ILAS Conference at Haifa, June 2001 361 (2003) 23

Driessel, K.R., On computing canonical forms using flows 379 (2004) 353

Drmač, Z. and K. Veselić, Approximate eigenvectors as preconditioner 309 (2000) 191 Drmač, Z., see Barlow, J.L. 397 (2005) 35

Drnovšek, R. and T. Košir, Irreducible operator semigroups such that AB and BA are

proportional 383 (2004) 113 Drnovšek, R., H. Radjavi and P. Rosenthal, A characterization of commutators of idempo-

tents 347 (2002) 91

Drnovšek, R., L. Livshits, G. MacDonald, B. Mathes, H. Radjavi and P. Šemrl, On transitive linear semigroups 305 (2000) 67

Drton, M. and U. Schwingenschlögl, Surface volumes of rounding polytopes 378 (2004)

Druilhet, P., Conditions for optimality in experimental designs 388 (2004) 147

Drury, S.W., Maximizing traces of matrix functions 387 (2004) 221

Drury, S.W., The canonical correlations of a 2×2 block matrix with given eigenvalues 354 (2002) 103

Druskin, V., L. Borcea and L. Knizhnerman, On the sensitivity of Lanczos recursions to the spectrum 396 (2005) 103

Du, H.-K. and Y. Li, The spectral characterization of generalized projections 400 (2005) 212

Du, H.-K., see Ren, F.-G. 371 (2003) 103

Du, S. and J. Hou, Similarity invariant real linear subspaces and similarity preserving additive maps 377 (2004) 141

Du, S.-F., J.H. Kwak and M.-Y. Xu, Linear criteria for lifting automorphisms of elementary abelian regular coverings 373 (2003) 101

Dubi, C., see Alpay, D. 340 (2002) 33 Dubi, C., see Alpay, D. 359 (2003) 1

Dubi, C., see Alpay, D. 371 (2003) 277

Dubi, C., see Alpay, D. 382 (2004) 117 Duggal, B.P., Range-kernel orthogonality of the elementary operator $X \to \sum_{i=1}^{n} A_i X B_i$ -X 337 (2001) 79

Duggal, B.P., Range kernel orthogonality of derivations 304 (2000) 103

Duggal, B.P., Subspace gaps and range-kernel orthogonality of an elementary operator 383 (2004) 93

Duggal, B.P., The closure of the range of an elementary operator 392 (2004) 305

Dunajeva, O., The second-order derivatives of matrices of eigenvalues and eigenvectors with an application to generalized *F*-statistic 388 (2004) 159

Duplij, S., On supermatrix idempotent operator semigroups 360 (2003) 59

Durán Díaz, R., J. Muñoz Masqué and A. Peinado Dominguez, Classifying quadratic maps from plane to plane 364 (2003) 1

Durán, A.J. and B. Polo, Gaussian quadrature formulae for matrix weights 355 (2002) 119

Durán, A.J. and E. Defez, Orthogonal matrix polynomials and quadrature formulas 345 (2002) 71

Dvorsky, A., Index of parabolic and seaweed subalgebras of so_n 374 (2003) 127

Eberly, W., see Chen, L. 343–344 (2002) 119 Edwards, R., J.J. McDonald and M.J. Tsatsomeros, On matrices with common invariant cones with applications in neural and gene networks 398 (2005) 37

Egleston, P.D., T.D. Lenker and S.K. Narayan, The nonnegative inverse eigenvalue

problem 379 (2004) 475

Ehrhardt, T. and F.-O. Speck, Transformation techniques towards the factorization of nonrational 2 × 2 matrix functions 353 (2002) 53

Ehrhardt, T., see Bart, H. 341 (2002) 327

Ehrhardt, T., see Basor, E.L. 343–344 (2002) 5 Eick, B., Computing the automorphism group of a solvable Lie algebra 382 (2004) 195

Eicker, F. and G. Ewald, Linearly independent set families 388 (2004) 173

Eidelman, Y. and I. Gohberg, A modification of the Dewilde-van der Veen method for inversion of finite structured matrices 343–344 (2002) 419

Eidelman, Y. and I. Gohberg, Direct approach to the band completion problem 385 (2004) 149

Eidelman, Y. and I. Gohberg, Fast inversion algorithms for a class of structured operator matrices 371 (2003) 153

Eischen, E.E., C.R. Johnson, K. Lange and D.P. Stanford, Patterns, linesums, and symmetry 357 (2002) 273

Eisenberg, T., see Dreyfus, T. 361 (2003) 23Eisinberg, A., G. Franzé and N. Salerno, Rectangular Vandermonde matrices on Chebyshev nodes 338 (2001) 27

El Ghaoui, L., Inversion error, condition number, and approximate inverses of uncertain matrices 343–344 (2002) 171

El Kahoui, M., Subresultants and locally nilpotent derivations 380 (2004) 253

Eldar, Y.C., Least-squares inner product shaping 348 (2002) 153

Elduque, A., Composition of quadratic forms and the Hurwitz-Radon function in characteristic 2 348 (2002) 87

Elduque, A., On triality and automorphisms and derivations of composition algebras 314 (2000) 49

Elduque, A., see Benito, P. 371 (2003) 333

Elfving, T., A projection method for semidefinite linear systems and its applications 391 (2004) 57

Ellerbroek, B.L., see Pauca, V.P. 316 (2000) 29 Ellers, E.W., Conjugacy classes of involutions in the Lorentz group $\Omega(V)$ and in SO(V) 383 (2004) 77

Ellers, E.W. and H. Lausch, Products of transvections in one conjugacy class of the symplectic group over the *p*-adic numbers 327 (2001) 151

Ellers, E.W. and O. Villa, Siegel transformations for even characteristic 395 (2005) 163Elman, H., see Zavorin, I. 367 (2003) 165

Elsner, L. and D. Hershkowitz, On the spectra of close-to-Schwarz matrices 363 (2003) 81

Elsner, L. and P. van den Driessche, Max-algebra and pairwise comparison matrices 385 (2004) 47

Elsner, L. and P. van den Driessche, Modifying the power method in max algebra 332–334 (2001) 3

Elsner, L. and P. van den Driessche, On the power method in max algebra 302–303 (1999) 17

Elsner, L., A. Frommer, R. Nabben, H. Schneider and D.B. Szyld, Conditions for strict inequality in comparisons of spectral radii of splittings of different matrices 363 (2003) 65

Elsner, L., D.D. Olesky and P. van den Driessche, Low rank perturbations and the spectrum of a tridiagonal sign pattern 374 (2003) 219

Elsner, L., see Alpin, Yu.A. 306 (2000) 165

Elsner, L., see Gong, Z. 340 (2002) 253

Elsner, L., see Li, W. 348 (2002) 283

Elsner, L., see Vladimirov, A. 312 (2000) 125Embree, M., see Böttcher, A. 343–344 (2002) 101

Embree, M., see Böttcher, A. 366 (2003) 87
Enflo, P. and L. Smithies, Harnack's theorem for harmonic compact operator-valued

functions 336 (2001) 21

Enflo, P., J. Kover and L. Smithies, Denseness for norm attaining operator-valued functions 338 (2001) 139

Eremenko, A. and A. Gabrielov, Counterexamples to pole placement by static output feedback 351–352 (2002) 211

Eschenbach, C., F. Hall, R. Hemasinha, S.J. Kirkland, Z. Li, B.L. Shader, J.L. Stuart and J.R. Weaver, On almost regular tournament matrices 306 (2000) 103

Escobar, C.A., J. Martínez-Bernal and R.H. Villarreal, Relative volumes and minors in monomial subrings 374 (2003) 275

Estatico, C., A classification scheme for regularizing preconditioners, with application to Toeplitz systems 397 (2005) 107

Ewald, G., see Eicker, F. 388 (2004) 173

Fabbri, F., see Casciola, G. 366 (2003) 121Faßbender, H. and Kh.D. Ikramov, Several observations on symplectic, Hamiltonian,

and skew-Hamiltonian matrices 400 (2005)

Faßbender, H., D.S. Mackey and N. Mackey, Hamilton and Jacobi come full circle: Jacobi algorithms for structured Hamiltonian eigenproblems 332–334 (2001) 37

Faber, V., A. Greenbaum and D.E. Marshall, The polynomial numerical hulls of Jordan blocks and related matrices 374 (2003) 231

Fagnani, F. and S. Zampieri, Minimal and systematic convolutional codes over finite Abelian groups 378 (2004) 31

Fallat, S., see Barioli, F. 392 (2004) 289

Fallat, S., see Cheung, W.-S. 355 (2002) 173

Fallat, S.M., A remark on oscillatory matrices 393 (2004) 139

Fallat, S.M. and M. Neumann, On Perron complements of totally nonnegative matrices 327 (2001) 85

Fallat, S.M., C.R. Johnson, J.R. Torregrosa and A.M. Urbano, P-matrix completions under weak symmetry assumptions 312 (2000) 73

Fallat, S.M., M. Fiedler and T.L. Markham, Generalized oscillatory matrices 359 (2003) 79

Fallat, S.M., S. Kirkland and S. Pati, On graphs with algebraic connectivity equal to minimum edge density 373 (2003) 31

Fallat, S.M., see Crans, A.S. 328 (2001) 203 Fan, H.-Y., see Chu, E.K.-W. 396 (2005) 55 Fan, J., Determinants and multiplicative func-

tionals on quaternion matrices 369 (2003)

Fan, Y., Schur complements and its applications to symmetric nonnegative and Z-matrices 353 (2002) 289

Fan, Y. and J. Li, On graphs with small number of Laplacian eigenvalues greater than two 360 (2003) 207

Fan, Y.-Z., On spectral integral variations of mixed graphs 374 (2003) 307

Fanaï, H.-R., On ray-nonsingular matrices 376 (2004) 125

Fanaï, H.-R., see Akbari, S. 375 (2003) 245

Fang, K.-T., T. Kollo and A.-M. Parring, Approximation of the non-null distribution of generalized T²-statistics 321 (2000) 27

Faouzi, A., On the orbit of invariant subspaces of linear operators in finite-dimensional spaces (new proof of a Halmos's result) 329 (2001) 171

Faouzi, A., Verticalité en théorie des opérateurs linéaires (Étude des paires) 326 (2001) Farebrother, R.W., J. Groß and S.-O. Troschke, Matrix representation of quaternions 362 (2003) 251

Farenick, D.R., Pure matrix states on operator systems 393 (2004) 149

Farenick, D.R. and B.A.F. Pidkowich, The spectral theorem in quaternions 371 (2003) 75

Farenick, D.R. and P.J. Psarrakos, A triangle inequality in Hilbert modules over matrix algebras 341 (2002) 57

Farkas, A., A. György and P. Rózsa, On the spectrum of pairwise comparison matrices 385 (2004) 443

Farkas, A., P. Rózsa and E. Stubnya, Transitive matrices and their applications 302– 303 (1999) 423

Fasino, D. and L. Gemignani, Structural and computational properties of possibly singular semiseparable matrices 340 (2002) 183

Fasino, D. and P. Tilli, Spectral clustering properties of block multilevel Hankel matrices 306 (2000) 155

Fassbender, H. and K.D. Ikramov, Computing matrix-vector products with centrosymmetric and centrohermitian matrices 364 (2003) 235

Favati, P., G. Lotti and O. Menchi, A polynomial fit preconditioner for band Toeplitz matrices in image reconstruction 346 (2002) 177

Favati, P., G. Lotti, O. Menchi and F. Romani, Solution of infinite linear systems by automatic adaptive iterations 318 (2000) 209

Feintuch, A., On polynomial approximation of the inverse of an operator 389 (2004) 323 Feldmann, S. and G. Heinig, Partial realization for singular systems in standard form

318 (2000) 127

Feldmann, S. and P. Lang, A least squares approach to reduce stable discrete linear systems preserving their stability 381 (2004) 141

Feldmann, S., P. Lang and D. Prätzel-Wolters, Parameter influence on the zeros of network determinants 371 (2003) 125

Feldmann, S., see Bracke, M. 347 (2002) 59Felipe, R. and F. Ongay, Algebraic aspects of the discrete KP hierarchy 338 (2001) 1

Feng. B.Q., Equivalence constants for certain matrix norms 374 (2003) 247

Feng, D., see Wang, M. 390 (2004) 279

Fernandes, P., see Benoit, A. 386 (2004) 111 Fernandes, R., Covering numbers under small

perturbations 350 (2002) 105 Fernandes, R., On the covering number of a matroid element 337 (2001) 21 Fernandes, R., On the kernel of the derivation operator 337 (2001) 121

Fernandes, R., On the powers of a vectorial

Fernandes, R., On the powers of a vectorial matroid – an equivalence relation 381 (2004) 77

Fernández, L.M., see Carriazo, A. 389 (2004) 43

Fernández, V., see Baragaña, I. 379 (2004) 201 Fernández-Merchant, S., see Ábrego, B.M. 374 (2003) 175

Fernando, K.V., Accurate ordering of eigenvectors and singular vectors without eigenvalues and singular values 374 (2003) 1

Ferréol, A., see Albera, L. 391 (2004) 3 Ferrante, A., G. Picci and S. Pinzoni, Silverman algorithm and the structure of discrete-time stochastic systems 351–352 (2002) 219

Ferrante, A., M. Pavon and S. Pinzoni, Asymmetric algebraic Riccati equation: A homeomorphic parametrization of the set of solutions 329 (2001) 137

Ferrari, L. and R. Pinzani, A linear operator approach to succession rules 348 (2002) 231 Ferreira, C. and F.C. Silva, Inertia theorems

for pairs of matrices 381 (2004) 37

Ferreira, C. and F.C. Silva, On the stabilization of linear discrete-time systems 390 (2004) 7

Ferrer, J. and F. Puerta, Versal deformations of invariant subspaces 332–334 (2001) 569Ferrer, J., see Compta, A. 353 (2002) 197

Ferrer, J., see Compta, A. 361 (2003) 181 Ferrer, J., see Compta, A. 379 (2004) 239

Ferrer, J., see Puerta, X. 346 (2002) 27

Fiedler, M., A note on companion matrices 372 (2003) 325Fiedler, M., Basic matrices 373 (2003) 143

Fiedler, M., Complementary basic matrices 384 (2004) 199

Fiedler, M., Equilibrated anti-Monge matrices 335 (2001) 151

Fiedler, M., Inversion of e-simple block matrices 400 (2005) 231

Fiedler, M., List of publications of Vlastimil Pták, 1995–1999 310 (2000) 23

Fiedler, M., Moore-Penrose biorthogonal systems in Euclidean spaces 362 (2003) 137

Fiedler, M., Some inverse problems for elliptic matrices with zero diagonal 332-334 (2001) 197

Fiedler, M., Vlastimil Pták (8 November 1925 – 9 May 1999) 310 (2000) 21

Fiedler, M. and T.L. Markham, A factorization of totally nonsingular matrices over a ring with identity 304 (2000) 161 Fiedler, M. and T.L. Markham, Generalized totally nonnegative matrices 345 (2002) 9Fiedler, M. and T.L. Markham, Generalized

totally positive matrices 306 (2000) 87

Fiedler, M. and T.L. Markham, Two results on basic oscillatory matrices 389 (2004) 175

Fiedler, M. and Z. Vavřín, Generalized Hessenberg matrices 380 (2004) 95

Fiedler, M., see Fallat, S.M. 359 (2003) 79

Filar, J., H.A. Krieger and Z. Syed, Cesaro limits of analytically perturbed stochastic matrices 353 (2002) 227

Fillmore, P.A., W.E. Longstaff, G.W. MacDonald, H. Radjavi and Y. Zhong, Intersections of nest algebras in finite dimensions 350 (2002) 185

Finet, C. and H. Queffélec, Numerical range of composition operators on a Hilbert space of Dirichlet series 377 (2004) 1

Finzel, M., Metric projection and stratification of the Grassmannian 308 (2000) 109

Fiol, M.A., On pseudo-distance-regularity 323 (2001) 145

Fiol, M.A., Spectral bounds and distance-regularity 397 (2005) 17

Fiorini, S., I. Gutman and I. Sciriha, Trees with maximum nullity 397 (2005) 245

Fischer, A., see Deuflhard, P. 315 (2000) 39 Fischer, A., see Meerbach, E. 398 (2005) 141

Fischer, B. and J. Modersitzki, A unified approach to fast image registration and a new curvature based registration technique 380 (2004) 107

Fischer, P. and J.D. Stegeman, Fractional Hadamard powers of positive semidefinite matrices 371 (2003) 53

Fischer, S., see Hansen, O. 391 (2004) 125 Fitzgerald, R.W., Norms of sums of squares 325 (2001) 1

Fitzpatrick, P., see O'Keeffe, H. 351-352 (2002) 533

Fleming, R., G. Grossman, T. Lenker, S. Narayan and S.-C. Ong, Classes of Schur D-stable matrices 306 (2000) 15

Fonseca, A., Families of vectors with prescribed rank partition and a prescribed subfamily 305 (2000) 131

Forbes, J.F., see Kozeratska, L. 378 (2004) 203 Foreman, B., Conjugacy invariants of SI(2, ℍ) 381 (2004) 25

Fornasini, E. and R. Pinto, Matrix fraction descriptions in convolutional coding 392 (2004) 119

Förster, K.-H. and B. Nagy, Nonnegative realizations of matrix transfer functions 311 (2000) 107

Förster, K.-H. and B. Nagy, On spectra of expansion graphs and matrix polynomials 363 (2003) 89

Foschi, P. and E.J. Kontoghiorghes, A computationally efficient method for solving SUR models with orthogonal regressors 388 (2004) 193

Fourneau, J.M., M. Lecoz and F. Quessette, Algorithms for an irreducible and lumpable strong stochastic bound 386 (2004) 167

Fowler, P., see Cvetković, D. 356 (2002) 37 Franzé, G., see Eisinberg, A. 338 (2001) 27

Freedman, D.Z.. Perturbation bounds for the joint spectrum of commuting matrices 387 (2004) 29

Freiling, G., A survey of nonsymmetric Riccati equations 351–352 (2002) 243

Freiling, G. and A. Hochhaus, On a class of rational matrix differential equations arising in stochastic control 379 (2004) 43

Freitas, P.J. and S. Friedland, Revisiting the Siegel upper half plane II 376 (2004) 45

Freitas, P.J., see Friedland, S. 376 (2004) 1 Freitas, P.J., see Friedland, S. 376 (2004) 19 Freund, R.W., see Bai, Z. 332–334 (2001) 139

Freydin, B., see Alpay, D. 308 (2000) 163 Fridman, E. and U. Shaked, H_{∞} -control of

linear state-delay descriptor systems: an LMI approach 351–352 (2002) 271

Friedland, S., Finite and infinite dimensional generalizations of Klyachko's theorem 319 (2000) 3

Friedland, S. and P.J. Freitas, *p*-Metrics on $GL(n, \mathbb{C})/U_n$ and their Busemann compactifications 376 (2004) 1

Friedland, S. and P.J. Freitas, Revisiting the Siegel upper half plane I 376 (2004) 19

Friedland, S., see Freitas, P.J. 376 (2004) 45
 Friswell, M.I., see Garvey, S.D. 385 (2004) 335
 Fritzsche, B., B. Kirstein and A. Lasarow, On a moment problem for rational matrix-valued functions 372 (2003) 1

Fritzsche, B., B. Kirstein and M. Mosch, On block completion problems for Arov-normalized $j_{qq} - J_q$ -elementary factors 346 (2002) 273

Frommer, A., see Elsner, L. 363 (2003) 65
Fu, H. and J. Barlow, A regularized structured total least squares algorithm for high-resolu-

tion image reconstruction 391 (2004) 75 Fuhrmann, P.A., A study of behaviors 351– 352 (2002) 303

Fuhrmann, P.A. and U. Helmke, On the parametrization of conditioned invariant subspaces and observer theory 332–334 (2001) 265

Fujigami, M., see Amano, K. 355 (2002) 215

Fujii, J.I., A trace inequality arising from quantum information theory 400 (2005) 141

Fujii, J.I. and M. Fujii, Kolmogorov's complexity for positive definite matrices 341 (2002)171

Fuiii, J.L., R. Nakamoto and Y. Seo, Operator inequalities of Malamud and Wielandt 326 (2001) 101

Fujii, J.I., Y. Seo and M. Tominaga, Kantorovich type operator inequalities via the Specht ratio 377 (2004) 69

Fujii, M., E. Kamei and R. Nakamoto, On a question of Furuta on chaotic order 341 (2002)119

Fujii, M., see Fujii, J.I. 341 (2002) 171

Fukuda, K., see Bárány, I. 397 (2005) 381 Fulton, W., Eigenvalues of majorized Hermitian matrices and Littlewood-Richardson coefficients 319 (2000) 23

Funderlic, R.E., see Chu, M.T. 366 (2003) 157 Furtado, S. and C.R. Johnson, Congruential automorphism groups of general matrices 376 (2004) 291

Furtado, S. and C.R. Johnson, On the number of unitary similarity classes in a C-S equivalence class: the normal case 348 (2002) 193

Furtado, S. and C.R. Johnson, Spectral variation under congruence for a nonsingular matrix with 0 on the boundary of its field of values 359 (2003) 67

Furtado, S. and C.R. Johnson, Unitary similarity classes within the cospectral-congruence class of a matrix 394 (2005) 291

Furtado, S., E.A. Martins and F.C. Silva, On similarity invariants of matrix commutators 335 (2001) 81

Furtado, S., L. Iglésias and F.C. Silva, Products of matrices with prescribed spectra and ranks 340 (2002) 137

Furtado, S., see Johnson, C.R. 338 (2001) 287 Furuichi, S., see Yanagi, K. 394 (2005) 109 Furuichi, S., see Yanagi, K. 395 (2005) 351

Furuta, T., A counterexample to the question proposed by Yanagi-Furuichi-Kuriyama on matrix inequalities and related counterexamples 397 (2005) 345

Furuta, T., An operator monotone function thoust and strictly chaotic order 341

(2002) 101

Furuta, T., Convergence of logarithmic trace inequalities via generalized Lie-Trotter formulae 396 (2005) 353

Furuta, T., Operator inequalities associated with A log A via Specht ratio 375 (2003) 251

Furuta, T., Parametric extensions of Shannon inequality and its reverse one in Hilbert space operators 381 (2004) 219

Furuta, T. and M. Giga, A complementary result of Kantorovich type order preserving inequalities by Mićić-Pečarić-Seo 369 (2003)27

Gabrielov, A., see Eremenko, A. 351-352 (2002) 211

Gaffke, N., B. Heiligers and R. Offinger, Isotropic discrete orientation distributions on the 3D special orthogonal group 354 (2002) 119

Gaiduk, T.N. and V.V. Sergeichuk, Generic canonical form of pairs of matrices with

zeros 380 (2004) 241

Gallivan, K., A. Vandendorpe and P. Van Dooren, Model reduction via truncation: an interpolation point of view 375 (2003) 115

Gan, T.-B. and T.-Z. Huang, Simple criteria for nonsingular H-matrices 374 (2003) 317

Ganesan, A., S.R. Ross and B. Ross Barmish. An extreme point result for convexity, concavity and monotonicity of parameterized linear equation solutions 390 (2004) 61

Gao, D.-D. and R.-B. Huang, Some results on canonical correlation and their applications to a linear model 321 (2000) 47

Gao, H., see Liu, X.-G. 368 (2003) 83

Gao, Y., Lattices generated by orbits of subspaces under finite singular unitary group and its characteristic polynomials 368 (2003) 243

Gao, Y. and J. Li, On the potential stability of star sign pattern matrices 327 (2001) 61

Gao, Y., see Shao, Y. 359 (2003) 113 Gao, Y., see Shao, Y. 384 (2004) 85

Garbo, G., see Campanella, M. 319 (2000) 163 Garcia-Garcia, J.I., see Chapman, S.T. 336 (2001) 191

García-García, J.I., see Rosales, J.C. 336 (2001) 219

Garcia-Planas, M.I. and M.D. Magret, Associating matrix pencils to generalized linear multivariable systems 332-334 (2001) 235

Garcia-Planas, M.I. and V.V. Sergeichuk, Generic families of matrix pencils and their bifurcation diagrams 332-334 (2001) 165

Garcia-Planas, M.I. and V.V. Sergeichuk, Simplest miniversal deformations of matrices, matrix pencils, and contragredient matrix pencils 302-303 (1999) 45

García-Planas, M.I., see Carriegos, M.V. 379 (2004) 229

Garcia-Planas, M.I., see Clotet, J. 332-334 (2001) 541

Garcia-Rio, E., see Diaz-Ramos, J.C. 382 (2004) 271

- Garcia-Sánchez, P.A., see Chapman, S.T. 336 (2001) 191
- Garloff, J., Intervals of almost totally positive matrices 363 (2003) 103
- Garvey, S.D., U. Prells, M.I. Friswell and Z. Chen, General isospectral flows for linear dynamic systems 385 (2004) 335
- Gasparyan, G., see De Simone, C. 348 (2002)
- Gassó, M. and J.R. Torregrosa, A PLU-factorization of rectangular matrices by the Neville elimination 357 (2002) 163
- Gatica, M.A. and M.J. Redondo, Hochschild cohomology of incidence algebras as onepoint extensions 365 (2003) 169
- Gau, H.-L. and P.Y. Wu, Companion matrices: reducibility, numerical ranges and similarity to contractions 383 (2004) 127
- Gau, H.-L. and P.Y. Wu, Condition for the numerical range to contain an elliptic disc 364 (2003) 213
- Gau, H.-L. and P.Y. Wu, Finite Blaschke products of contractions 368 (2003) 359
- Gau, H.-L. and P.Y. Wu, Numerical range circumscribed by two polygons 382 (2004) 155Gau, H.-L. and P.Y. Wu, Numerical range of
- Gau, H.-L. and P.Y. Wu, Numerical range of a normal compression II 390 (2004) 121 Gaubert, S. and P. Butkovic, Sign-nonsingular
- matrices and matrices with unbalanced determinant in symmetrised semirings 301 (1999) 195
- Gaubert, S., see Cohen, G. 379 (2004) 395
- Gauchman, H., see Coulton, P. 301 (1999) 113 Gavalec, M., Linear matrix period in max-plus algebra 307 (2000) 167
- Gavalec, M., Monotone eigenspace structure in max-min algebra 345 (2002) 149
- Gavalec, M., The general trapezoidal algorithm for strongly regular max-min matrices 369 (2003) 319
- Gavalec, M. and J. Plávka, Strong regularity of matrices in general max-min algebra 371 (2003) 241
- Gekhtman, M. and C.R. Johnson, The linear interpolation problem for totally positive matrices 393 (2004) 175
- Gekhtman, M.I. and L. Rodman, Normal forms of generic triangular band matrices and Jordan forms of nilpotent completions 308 (2000) 1
- Gelonch, J. and C.R. Johnson, Generalization of Flanders' theorem to matrix triples 380 (2004) 151
- Gemignani, L., A superfast solver for Sylvester's resultant linear systems generated by a stable and an anti-stable polynomial 366 (2003) 233

- Gemignani, L., see Bini, D.A. 343-344 (2002)
- Gemignani, L., see Fasino, D. 340 (2002) 183
 Genin, Y., R. Stefan and P. Van Dooren, Real and complex stability radii of polynomial matrices 351–352 (2002) 381
- Genin, Y.V., Hankel matrices, positive functions and related questions 314 (2000) 137
- George, A. and K.D. Ikramov, Unitary similarity of matrices with quadratic minimal polynomials 349 (2002) 11
- George, A., see Al'pin, Y.A. 312 (2000) 115
- Geramita, A.V., see Catalisano, M.V. 355 (2002) 263
- Geramita, A.V., see Catalisano, M.V. 367 (2003) 347
- Gerard, Y., see Brunetti, S. 339 (2001) 59
- Geskus, R.B., A new proof of a theorem on M-matrices 348 (2002) 139
- Gewurz, D.A., Enumeration of orbits on cycles for linear and affine groups 368 (2003) 117
- Ghanbari, K., see Gladwell, G.M.L. 393 (2004) 197
- Ghandehari, M., see Akbari, S. 390 (2004)
- Ghazal, G.A. and H. Neudecker, On secondorder and fourth-order moments of jointly distributed random matrices: a survey 321 (2000) 61
- Ghosh, B.K. and X.A. Wang, On minimal degree simultaneous pole assignment problems 351–352 (2002) 411
- Ghosh, B.K., see Takahashi, S. 351–352 (2002) 701
- Gibson, P.M., see Ashrafi, A. 387 (2004) 277
- Giga, M., see Furuta, T. 369 (2003) 27
 Gil', M.I., Bounds for characteristic values of entire matrix pencils 390 (2004) 311
- Gil', M.I., On invertibility and positive invertibility of matrices 327 (2001) 95
- Gimigliano, A., see Catalisano, M.V. 355 (2002) 263
- Gimigliano, A., see Catalisano, M.V. 367 (2003) 347
- Gladwell, G.M.L., Inner totally positive matrices 393 (2004) 179
- Gladwell, G.M.L., Total positivity and Toda flow 350 (2002) 279
- Gladwell, G.M.L. and K. Ghanbari, The total positivity interval 393 (2004) 197
- Gladwell, G.M.L., see Davies, E.B. 336 (2001) 51
- Gmainer, J. and H. Havlicek, A dimension formula for the nucleus of a Veronese variety 305 (2000) 191

- Goberna, M.A., V. Jornet and M.M.L. Rodriguez. On linear systems containing strict inequalities 360 (2003) 151
- Godinho, H., see Dias da Silva, J.A. 342 (2002) 1
- Godinho, H., see Dias da Silva, J.A. 370 (2003) 315
- Godunov, S.K. and M. Sadkane, Some new algorithms for the spectral dichotomy methods 358 (2003) 173
- Goebel, R.G., see Kozeratska, L. 378 (2004)
- Gohberg, I., M.A. Kaashoek and F. van Schagen, On inversion of finite Toeplitz matrices with elements in an algebraic ring 385 (2004) 381
- Gohberg, I., see Bart, H. 399 (2005) 203
- Gohberg, I., see Eidelman, Y. 343-344 (2002) 419
- Gohberg, I., see Eidelman, Y. 371 (2003) 153 Gohberg, I., see Eidelman, Y. 385 (2004) 149
- Golasiński, M. and F.G. Ruiz, On Grassmannians over *-rings 355 (2002) 161
- Goldberg, F., On completely positive graphs and their complements 371 (2003) 45
- Goldberg, M. and W.A.J. Luxemburg, Stable subnorms 307 (2000) 89
- Goldberger, A. and M. Neumann, Multilinear functional inequalities involving permanents, determinants, and other multilinear functions of nonnegative matrices and *M*matrices 369 (2003) 295
- Goldberger, A. and M. Neumann, Perron– Frobenius theory of seminorms: a topological approach 399 (2005) 245
- Goldman, J., see Chin, W. 322 (2001) 193 Golub, G., see Kamvar, S. 386 (2004) 51
- Golub, G.H., Z. Zhang and H. Zha, Large sparse symmetric eigenvalue problems with homogeneous linear constraints: the Lanczos process with inner–outer iterations 309 (2000) 289
- Gómez, J.R., A. Jiménez-Merchán and J. Reyes, Quasi-filiform Lie algebras of maximum length 335 (2001) 119
- Gómez, J.R., see Camacho, L.M. 332-334 (2001) 371
- Gong, Z., M. Aldeen and L. Elsner, A note on a generalized Cramer's rule 340 (2002) 253
- González, N.C., Additive perturbation results for the Drazin inverse 397 (2005) 279
- Goodson, G.R., R.A. Horn and D.I. Merino, Quasi-real normal matrices and eigenvalue pairings 369 (2003) 279
- Gouveia, M.C., see Puystjens, R. 385 (2004)

- Gowda, M.S., and T. Parthasarathy, Complementarity forms of theorems of Lyapunov and Stein, and related results 320 (2000) 131
- Gowda, M.S., R. Sznajder and J. Tao, Some P-properties for linear transformations on Euclidean Jordan algebras 393 (2004) 203
- Gowda, M.S., Y. Song and G. Ravindran, On some interconnections between strict monotonicity, globally uniquely solvable, and P properties in semidefinite linear complementarity problems 370 (2003) 355
- Goze, M., see Remm, E. 360 (2003) 215
- Graça, M.M., see Alves, J.F. 394 (2005) 277 Gracia, J.-M., see de Durana, J.M.G. 34
- Gracia, J.-M., see de Durana, J.M.G. 349 (2002) 77
- Grasse, K.A., A vector-bundle version of a theorem of V. Doležal 392 (2004) 45
- Grassmann, W.K., Finding equilibrium probabilities of QBD processes by spectral methods when eigenvalues vanish 386 (2004) 207
- Grassmann, W.K., Real eigenvalues of certain tridiagonal matrix polynomials, with queueing applications 342 (2002) 93
- Grassmann, W.K., see Luo, J. 386 (2004) 261Greenbaum, A., Generalizations of the field of values useful in the study of polynomial functions of a matrix 347 (2002) 233
- Greenbaum, A., see Faber, V. 374 (2003) 231 Gregory, D.A., D. Hershkowitz and S.J. Kirkland, The spread of the spectrum of a graph 332–334 (2001) 23
- Griffith, D.A., Eigenfunction properties and approximations of selected incidence matrices employed in spatial analyses 321 (2000) 95
- Griffith, D.A., Extreme eigenfunctions of adjacency matrices for planar graphs employed in spatial analyses 388 (2004) 201
- Grishin, D. and T. Strohmer, Fast scattered data approximation with Neumann and other boundary conditions 391 (2004) 99
- Groß, J., Löwner partial ordering and space preordering of Hermitian non-negative definite matrices 326 (2001) 215
- Groβ, J., Nonnegative-definite and positivedefinite solutions to the matrix equation *AXA**=*B* – revisited 321 (2000) 123
- Groß, J., The Moore-Penrose inverse of a partitioned nonnegative definite matrix 321 (2000) 113
- Groß, J. and A. Markiewicz, Characterizations of admissible linear estimators in the linear model 388 (2004) 239
- Groß, J. and S. Puntanen, Estimation under a General Partitioned Linear Model 321 (2000) 131

Groß, J., G. Trenkler and S.-O. Troschke, Quaternions: further contributions to a matrix oriented approach 326 (2001) 205

Groß, J., see Farebrother, R.W. 362 (2003) 251
 Großer, B. and B. Lang, An ε(n²) algorithm for the bidiagonal SVD 358 (2003) 45

Groenen, P.J.F. and M. van de Velden, Inverse correspondence analysis 388 (2004) 221

Grossman, G., see Fleming, R. 306 (2000) 15 Grudsky, S.M., see Böttcher, A. 351–352 (2002) 99

Gu, C., Generalized inverse matrix Padé approximation on the basis of scalar products 322 (2001) 141

Gu, D., see Konstantinov, M. 359 (2003) 197 Gu, M., see Chandrasekaran, S. 313 (2000) 107

Gu, M., see Miranian, L. 367 (2003) 1 Gu, Y.-D., see Han, S.-C. 389 (2004) 235

Gueudet-Chartier, G., Should we teach linear algebra through geometry? 379 (2004) 491

Guglielmi, N. and M. Zennaro, On the asymptotic properties of a family of matrices 322 (2001) 169

Guglielmi, N. and M. Zennaro, On the limit products of a family of matrices 362 (2003)

Gulliksson, M., X.-Q. Jin and Y.-M. Wei, Perturbation bounds for constrained and weighted least squares problems 349 (2002) 221

Gunn, R.N., see Aston, J.A.D. 398 (2005) 25 Gunnlaugsdóttir, E., Monoidal structure of the category of u_a-modules 365 (2003) 183

Guo, C.-H., A note on the minimal nonnegative solution of a nonsymmetric algebraic Riccati equation 357 (2002) 299

Guo, C.-H., Numerical solution of a quadratic eigenvalue problem 385 (2004) 391

Guo, J.-M., A new upper bound for the Laplacian spectral radius of graphs 400 (2005) 61 Guo, J.-M., On the Laplacian spectral radius of a tree 368 (2003) 379

Guo, J.-M., The limit points of Laplacian spectra of graphs 362 (2003) 121

Guo, J.-M. and S.-W. Tan, A conjecture on the second largest eigenvalue of a tree with perfect matchings 347 (2002) 9

Guo, J.-M. and S.-W. Tan, A note on the second largest eigenvalue of a tree with perfect matchings 380 (2004) 125

Guo, M., see Cui, J. 377 (2004) 267 Guo, W., see Wei, M. 342 (2002) 117

Guo, W., see Wei, M. 347 (2002) 189 Guralnick, R., see Bernik, J. 383 (2004) 119

Guralnick, R.M. and B.A. Sethuraman, Commuting pairs and triples of matrices and related varieties 310 (2000) 139

Guritman, S., see Barg, A. 307 (2000) 119 Gustafson, K., An extended operator trigono-

metry 319 (2000) 117

Gustafson, K., Operator trigonometry of statistics and econometrics 354 (2002) 141

Guterman, A., Linear preservers for matrix inequalities and partial orderings 331 (2001) 75

Guterman, A., C.-K. Li and P. Semrl, Some general techniques on linear preserver problems 315 (2000) 61

Guterman, A.E., see Alieva, A.A. 384 (2004) 97

Guterman, A.E., see Beasley, L.B. 393 (2004) 39

Gutkin, E., E.A. Jonckheere and M. Karow, Convexity of the joint numerical range: topological and differential geometric viewpoints 376 (2004) 143

Gutman, I., see Fiorini, S. 397 (2005) 245 Gutman, I., see Hou, Y. 356 (2002) 27

Guu, S.-M., see Lur, Y.-Y. 367 (2003) 37 Guu, S.-M., see Pang, C.-T. 330 (2001) 209

Guu, S.-M., see Pang, C.-T. 350 (2002) 273 György, A., see Farkas, A. 385 (2004) 443

Ha, K.-C., A class of atomic positive linear maps in matrix algebras 359 (2003) 277

Ha, K.-C., Positive projections onto spin factors 348 (2002) 105

Hachez, Y. and H.J. Woerdeman, Approximating sums of squares with a single square 399 (2005) 187

Hachez, Y. and P. Van Dooren, Elliptic and hyperbolic quadratic eigenvalue problems and associated distance problems 371 (2003) 31

Hadian, M., see Akbari, S. 390 (2004) 345

Hadjidimos, A., An extended compact profile iterative method criterion for sparse Hmatrices 389 (2004) 329

Hadjidimos, A., D. Noutsos and M. Tzoumas, More on modifications and improvements of classical iterative schemes for M-matrices 364 (2003) 253

Hadwin, D. and E. Nordgren, A general view of multipliers and composition operators 383 (2004) 187

Hadwin, D., D.R. Larson and D. Timotin, Approximation theory and matrix completions 377 (2004) 165

Hadwin, D., J. Hou and H. Yousefi, Completely rank-nonincreasing linear maps on spaces of operators 383 (2004) 213

Hadwin, D.W., K.J. Harrison and J.A. Ward, Numerical ranges and matrix completions 315 (2000) 145 Haefner, J. and C.J. Pappacena, Automorphisms of tiled orders 347 (2002) 275

Haefner, J. and T. Holcomb, The Picard group of a structural matrix algebra 304 (2000) 69 Haemers, W.H. and E. Kuijken, The Hermitian two-graph and its code 356 (2002) 79

Haemers, W.H., see Brouwer, A.E. 395 (2005)

Haemers, W.H., see Doob, M. 356 (2002) 57 Haemers, W.H., see van Dam, E.R. 373 (2003)

Hager, W.W., see Jiang, Y. 396 (2005) 373

Hagos, E.M., Some results on graph spectra 356 (2002) 103

Hajdu, L. and R. Tijdeman, An algorithm for discrete tomography 339 (2001) 147

Hall, F., see Eschenbach, C. 306 (2000) 103 Hall, F.J., Z. Li and B. Rao, From Boolean to sign pattern matrices 393 (2004) 233

Hall, F.J., Z. Li and D. Wang, Symmetric sign pattern matrices that require unique inertia 338 (2001) 153

Hall, F.J., see Li, Z. 342 (2002) 47

Hall, F.J., see Li, Z. 399 (2005) 125

Hall, H.T., see Barrett, W. 302-303 (1999) 535 Han, B., Symmetry property and construction of wavelets with a general dilation matrix 353 (2002) 207

Han, G.-N., Généralisation de l'identité de Scott sur les permanents 311 (2000) 25

Han, L., M. Neumann and J. Xu, On the roots of certain polynomials arising from the analysis of the Nelder-Mead simplex method 363 (2003) 109

Han, L., see Catral, M. 393 (2004) 107

Han, S.-C. and H.-X. Li, Indices and periods of incline matrices 387 (2004) 143

Han, S.-C. and H.-X. Li, Invertible incline matrices and Cramer's rule over inclines 389 (2004) 121

Han, S.-C. and H.-X. Li, The semigroup of incline Hall matrices 390 (2004) 183

Han, S.-C., H.-X. Li and Y.-D. Gu, Standard eigenvectors of incline matrices 389 (2004)

Han, Y. and M. Liu, Regular points in system spaces 365 (2003) 201

Hanke, M., J.G. Nagy and C. Vogel, Quasi-Newton approach to nonnegative image restorations 316 (2000) 223 Hanna, L.A.-M., On the classification of the

Lie algebras L; 370 (2003) 251

Hansen, F., Convex trace functions of several variables 341 (2002) 309

Hansen, O., S. Fischer and R. Ramlau, Regularization of Mellin-type inverse problems with an application to oil engineering 391 (2004) 125

Hansen, P. and H. Mélot, Computers and discovery in algebraic graph theory 356 (2002)

Hanzon, B. and R.J. Ober, State space calculations for discrete probability densities 350 (2002)67

Hao, P., Customizable triangular factorizations of matrices 382 (2004) 135

Hao, P., see She, Y. 400 (2005) 193

Harcharras, A., see Banks, W. 362 (2003) 275 Harel, G., Student's understanding of proofs: a historical analysis and implications for the teaching of geometry and linear algebra 302-303 (1999) 601

Harper, L.H. and D. Dreier, The edge-isoperimetric problem on the 600-vertex regular solid 368 (2003) 209

Harrison, K.J., see Hadwin, D.W. 315 (2000)

Harrison, P.G., Reversed processes, product forms and a non-product form 386 (2004) 359

Hartfiel, D.J., Difference equations in a general setting 305 (2000) 173

Hartwig, R.E. and K.M. Prasad, Creation and annihilation in matrix theory 305 (2000) 47

Hartwig, R.E., G. Wang and Y. Wei, Some additive results on Drazin inverse 322 (2001)

Hartwig, R.E., see Poplin, P.L. 387 (2004) 99 Harville, D.A., Simple derivations for two Jacobians of basic importance in multivariate statistics 321 (2000) 145

Hasanov, V.I., I.G. Ivanov and F. Uhlig, Improved perturbation estimates for the matrix equations $X \pm A^* X^{-1} A = Q$ 379 (2004) 113

Hasanov, V.I., see Ivanov, I.G. 326 (2001) 27 Hasenberg, L., see Lenzing, H. 365 (2003) 279

Hasfura-Buenaga, J.-R., A. Holder and J. Stuart, The asymptotic optimal partition and extensions of the Nonsubstitution Theorem 394 (2005) 145

Hauke, J., A. Markiewicz and T. Szulc, Interand extrapolatory properties of matrix partial orderings 332-334 (2001) 437

Hauke, J., see Baksalary, J.K. 379 (2004) 277 Hauke, J., see Baksalary, J.K. 388 (2004) 53 Haukkanen, P., see Korkee, I. 329 (2001) 77 Haukkanen, P., see Korkee, I. 372 (2003) 127 Haveliwala, T., see Kamvar, S. 386 (2004) 51 Haviv, M., see Avrachenkov, K.E. 369 (2003)

Haviv, M., see Avrachenkov, K.E. 386 (2004) 243

Havlíček, M., J. Patera and E. Pelantová, On Lie gradings III. Gradings of the real forms of classical Lie algebras 314 (2000) 1

Havlicek, H., see Gmainer, J. 305 (2000) 191

Hayashi, K. and P.M. Bentler, The asymptotic covariance matrix of maximum-likelihood estimates in factor analysis: the case of nearly singular matrix of estimates of unique variances 321 (2000) 153

He, J.-L., see Shao, J.-Y. 355 (2002) 71

He, J.-L., see Shao, J.-Y. 373 (2003) 223

Hebisch, W., R. Olkiewicz and B. Zegarlinski, On upper bound for the quantum entropy 329 (2001) 89

Heiligers, B., see Gaffke, N. 354 (2002) 119

Heinig, G., Chebyshev-Hankel matrices and the splitting approach for centrosymmetric Toeplitz-plus-Hankel matrices 327 (2001) 181

Heinig, G., Kernel structure of Toeplitz-plus-Hankel matrices 340 (2002) 1

Heinig, G., Not every matrix is similar to a Toeplitz matrix 332-334 (2001) 519

Heinig, G., On the reconstruction of Toeplitz matrix inverses from columns 350 (2002) 199

Heinig, G. and K. Rost, Centro-symmetric and centro-skewsymmetric Toeplitz matrices and Bezoutians 343–344 (2002) 195

Heinig, G. and K. Rost, Centrosymmetric and centro-skewsymmetric Toeplitz-plus-Hankel matrices and Bezoutians 366 (2003) 257

Heinig, G. and K. Rost, Split algorithms for hermitian Toeplitz matrices with arbitrary rank profile 392 (2004) 235

Heinig, G., see Feldmann, S. 318 (2000) 127 Heinig, G., see Van Barel, M. 366 (2003) 441 Helmke, U., see Fuhrmann, P.A. 332–334

(2001) 265

Helmke, U., see Hinrichsen, D. 326 (2001) 45 Helmke, U., see Ravi, M.S. 351-352 (2002) 623

Hemasinha, R., J.R. Weaver, S.J. Kirkland and J.L. Stuart, Properties of the Brualdi– Li tournament matrix 361 (2003) 63

Hemasinha, R., see Eschenbach, C. 306 (2000) 103

Hendrickx, J. and M. Van Barel, Fast direct solution methods for symmetric banded Toeplitz systems, based on the sine transform 343–344 (2002) 211

Hentzel, I.R., see Correa, I. 369 (2003) 185 Hentzel, I.R., see Correa, I. 396 (2005) 35

Herman, G.T., see Vardi, E. 339 (2001) 75

Hermida-Alonso, J.A. and M.T. Trobajo, The dynamic feedback equivalence over principal ideal domains 368 (2003) 197 Hermida-Alonso, J.A., see Carriegos, M. 346 (2002) 97

Hernández Encinas, L., A. Martín del Rey and J. Muñoz Masqué, Non-degenerate bilinear alternating maps $f: V \times V \rightarrow V$, $\dim(V) = 3$, over an algebraically closed field 387 (2004) 69

Hernández, V., see Alonso, P. 332-334 (2001)

Hershkowitz, D., The combinatorial structure of generalized eigenspaces – from nonnegative matrices to general matrices 302–303 (1999) 173

Hershkowitz, D. and N. Keller, Positivity of principal minors, sign symmetry and stability 364 (2003) 105

Hershkowitz, D., see Elsner, L. 363 (2003) 81 Hershkowitz, D., see Gregory, D.A. 332–334 (2001) 23

Herzog, G., Generalized M-matrices and ordered Banach algebras 363 (2003) 125

Herzog, G. and R. Lemmert, On ordered spaces of polynomials 320 (2000) 199

Hiai, F. and X. Zhan, Inequalities involving unitarily invariant norms and operator monotone functions 341 (2002) 151

Hiai, F. and X. Zhan, Submultiplicativity vs subadditivity for unitarily invariant norms 377 (2004) 155

Higham, N.J., QR factorization with complete pivoting and accurate computation of the SVD 309 (2000) 153

Higham, N.J. and F. Tisseur, Bounds for eigenvalues of matrix polynomials 358 (2003)

Higham, N.J. and F. Tisseur, More on pseudospectra for polynomial eigenvalue problems and applications in control theory 351–352 (2002) 435

Higham, N.J., F. Tisseur and P.M. Van Dooren, Detecting a definite Hermitian pair and a hyperbolic or elliptic quadratic eigenvalue problem, and associated nearness problems 351–352 (2002) 455

Higham, N.J., see Cheng, S.H. 302–303 (1999)

Hill, R.D., see Skoug, M.J. 367 (2003) 291

Hill, R.D., see Thornburg, M.L. 305 (2000) 33 Hill, R.D., see Yopp, D.A. 304 (2000) 119

Hill, R.D., see Yopp, D.A. 312 (2000) 1

Hill, W.C., see Tam, T.-Y. 331 (2001) 101 Hille, L., Quivers, cones and polytopes 365 (2003) 215

Hille, L. and G. Röhrle, Variation on a theme of Richardson 365 (2003) 239

Hilscher, R. and V. Zeidan, Symplectic difference systems: variable stepsize discretization and discrete quadratic functionals 367 (2003) 67

Hilscher, R., see Došlý, O. 375 (2003) 21

Hinrichsen, D., W. Manthey and U. Helmke, Minimal partial realization by descriptor systems 326 (2001) 45

Hinrichsen, D., see Damm, T. 332-334 (2001) 81

Hinrichsen, D., see Damm, T. 363 (2003) 43 Hirzallah, O. and F. Kittaneh, Matrix Young Inequalities for the Hilbert–Schmidt norm 308 (2000) 77

Hirzallah, O. and F. Kittaneh, Norm inequalities for weighted power means of operators

341 (2002) 181

Hitt, L.R., see Ding, J. 367 (2003) 255

Ho, M.C., A rough estimate for the spectral radius of the sampling operator 375 (2003) 51

Ho, M.-T., A. Datta and S.P. Bhattacharyya, Generalizations of the Hermite–Biehler theorem: the complex case 320 (2000) 23

Ho, M.-T., A. Datta and S.P. Bhattacharyya, Generalizations of the Hermite–Biehler theorem 302–303 (1999) 135

Hochhaus, A., see Freiling, G. 379 (2004) 43 Hochstenbach, M.E. and B. Plestenjak, Backward error, condition numbers, and pseudospectra for the multiparameter eigenvalue problem 375 (2003) 63

Hochstenbach, M.E. and G.L.G. Sleijpen, Two-sided and alternating Jacobi-Davidson

358 (2003) 145

Hodgess, E.M. and W.W.S. Wei, Temporal disaggregation of stationary bivariate time series 321 (2000) 175

Hoffman, A.J., Gersgorin variations I: on a theme of Pupkov and Solov'ev 304 (2000) 173

Hogben, L., Graph theoretic methods for matrix completion problems 328 (2001) 161

Hogben, L., Inverse M-matrix completions of patterns omitting some diagonal positions 313 (2000) 173

Hogben, L., Matrix completion problems for pairs of related classes of matrices 373 (2003) 13

Hogben, L., The symmetric M-matrix and symmetric inverse M-matrix completion problems 353 (2002) 159

Hogben, L., see Barioli, F. 392 (2004) 289

Hogben, L., see DeAlba, L.M. 319 (2000) 83 Holbrook, J. and M. Omladič, Approximating commuting operators 327 (2001) 131

Holcomb, T., see Haefner, J. 304 (2000) 69Holder, A., see Hasfura-Buenaga, J.-R. 394 (2005) 145

Holladay, K.W., The distance matrix eigensystem of an equally spaced row of points 347 (2002) 17

Holmes, R.B. and V.I. Paulsen, Optimal frames for erasures 377 (2004) 31

Holtti, H., see Yang, Y. 387 (2004) 51

Holtz, O., Applications of the duality method to generalizations of the Jordan canonical form 310 (2000) 11

Holtz, O., Hermite-Biehler, Routh-Hurwitz, and total positivity 372 (2003) 105

Holtz, O. and H. Schneider, Open problems on GKK τ-matrices 345 (2002) 263

Hong, C.Y., see Cho, H.H. 332–334 (2001) 119Hong, S., On the factorization of LCM matrices on gcd-closed sets 345 (2002) 225

Hong, Y., see Shu, J.-L. 347 (2002) 123 Hong, Y., see Wu, B. 395 (2005) 343

Hong, Y., see Zhao, S. 340 (2002) 245

Hood, J. and D. Perkinson, Some facets of the polytope of even permutation matrices 381 (2004) 237

Hordijk, W., see Bıyıkoğlu, T. 390 (2004) 155 Horn, R.A., Normal matrices with a dominant eigenvalue and an eigenvector with no zero entries 357 (2002) 35

Horn, R.A. and D.I. Merino, The Jordan Canonical Forms of complex orthogonal and skew-symmetric matrices 302–303 (1999) 411

Horn, R.A. and G.G. Piepmeyer, Two applications of the theory of primary matrix functions 361 (2003) 99

Horn, R.A. and V.V. Sergeichuk, Congruences of a square matrix and its transpose 389 (2004) 347

Horn, R.A., see Cheng, C.-M. 341 (2002) 219 Horn, R.A., see Goodson, G.R. 369 (2003) 279 Horváth, A., see Telek, M. 386 (2004) 383

Horváth, G., see Telek, M. 386 (2004) 383

Horváth, Z., On the positivity of matrix-vector products 393 (2004) 253

Hou, J. and J. Cui, Additive maps on standard operator algebras preserving invertibilities or zero divisors 359 (2003) 219

Hou, J. and J. Cui, Rank-1 preserving linear maps on nest algebras 369 (2003) 263

Hou, J. and L. Zhao, Zero-product preserving additive maps on symmetric operator spaces and self-adjoint operator spaces 399 (2005) 235

Hou, J. and X. Zhang, Ring isomorphisms and linear or additive maps preserving zero products on nest algebras 387 (2004) 343

Hou, J., see An, G. 342 (2002) 59 Hou, J., see Cui, J. 336 (2001) 29

Hou, J., see Cui, J. 377 (2004) 267

Hou, J., see Du, S. 377 (2004) 141

Hou, J., see Hadwin, D. 383 (2004) 213

Hou, X.-D., Elementary divisors of tensor products and p-ranks of binomial matrices 374 (2003) 255

Hou, Y. and J. Li, Square nearly nonpositive sign pattern matrices 327 (2001) 41

Hou, Y. and J. Li, Bounds on the largest eigenvalues of trees with a given size of matching 342 (2002) 203

Hou, Y., I. Gutman and C.-W. Woo, Unicyclic graphs with maximal energy 356 (2002) 27

Hu, B., G. Zhai and A.N. Michel, Hybrid static output feedback stabilization of secondorder linear time-invariant systems 351–352 (2002) 475

Hu, G.-D. and M. Liu, The weighted logarithmic matrix norm and bounds of the matrix exponential 390 (2004) 145

Hu, X.-y., see Peng, Z.-y. 362 (2003) 191

Hu, X.-y., see Peng, Z.-y. 375 (2003) 147

Hu, X.-Y., see Zhou, F.-Z. 364 (2003) 147

Hu, Y., X. Zhang and Z. Yang, Mixed mean inequalities for several positive definite matrices 395 (2005) 247

Hu, Y.-J. and G.-N. Chen, A unified treatment for the matrix Stieltjes moment problem 380 (2004) 227

Hu, Y.-J., see Chen, G.-N. 306 (2000) 59

Hu, Y.-J., see Chen, G.-N. 323 (2001) 167

Hu, Y.-J., see Yang, Z.-H. 382 (2004) 61

Hu, Z.-X., see Shao, J.-Y. 317 (2000) 1

Huang, C., see Cao, Y. 350 (2002) 41

Huang, J. and J. Zhou, A direct proof and a generalization for a Kantorovich type inequality 397 (2005) 185

Huang, L., On two questions about quaternion matrices 318 (2000) 79

Huang, L., The explicit solutions and solvability of linear matrix equations 311 (2000) 195Huang, L. and W. So, On left eigenvalues of a quaternionic matrix 323 (2001) 105

Huang, L.-P. and Z.-X. Wan, Geometry of skew-Hermitian matrices 396 (2005) 127

Huang, Q. and J. Ma, Perturbation analysis of generalized inverses of linear operators in Banach spaces 389 (2004) 355

Huang, Q., see Chang, A. 370 (2003) 175

Huang, R.-B., see Gao, D.-D. 321 (2000) 47Huang, T., W. Li and W. Sun, Estimates for bounds of some numerical characters of matrices 319 (2000) 137

Huang, T.-Z., S.-Q. Shen and H.-B. Li, On generalized *H*-matrices 396 (2005) 81

Huang, T.-Z., see Gan, T.-B. 374 (2003) 317 Huang, Y., see Liu, J. 378 (2004) 231 Huang, Y., see Liu, J. 389 (2004) 365

Huhtanen, M., Aspects of nonnormality for iterative methods 394 (2005) 119

Huhtanen, M. and J. von Pfaler, The real linear eigenvalue problem in Cⁿ 394 (2005) 169

Huisinga, W., see Deuflhard, P. 315 (2000) 39 Hull, T., see Belcastro, S.-M. 348 (2002) 273

Hung, Y.S., see Chu, D. 320 (2000) 37 Hurman, A., see Tarazaga, P. 328 (2001) 57

Hurman, A., see Tarazaga, P. 328 (2001) 57 Huruya, T., see Chō, M. 341 (2002) 291

Hwang, S.-G. and E.-Y. Lee, Permanents of doubly stochastic matrices with diagonal submatrices of fixed order 376 (2004) 97

Hwang, S.-G. and S.-S. Pyo, Doubly stochastic matrices whose powers eventually stop 330 (2001) 25

Hwang, S.-G. and S.-S. Pyo, Matrix majorization via vector majorization 332–334 (2001) 15

Hwang, S.-G. and S.-S. Pyo, The inverse eigenvalue problem for symmetric doubly stochastic matrices 379 (2004) 77

Hwang, S.-G., L.-P. Kim, S.-J. Kim and X.-D. Zhang, Tight sign-central matrices 371 (2003) 225

Hwang, S.-G., see Ahmadi, M.H. 370 (2003)

Hwang, S.-G., see Cheon, G.-S. 364 (2003) 223

Hwang, S.-G., see Cheon, G.-S. 373 (2003) 211 Hwang, S.-G., see Cheon, G.-S. 373 (2003) 89

Hwang, S.-G., see Choi, G.-S. 395 (2005) 303

Hwang, S.-G., see Shao, J.-Y. 317 (2000) 41 Hwang, S.-G., see Song, S.-Z. 373 (2003) 197

Hyman, J.M. and J. Li, The reproductive number for an HIV model with differential infectivity and staged progression 398 (2005) 101

Ibarrola, P. and R. Vélez, On Behrens-Fisher problem for continuous time Gaussian processes 389 (2004) 63

Idris, I.M., On transformations of elliptic spaces 301 (1999) 51

spaces 301 (1999) 51 Iglésias, L., see Furtado, S. 340 (2002) 137

Iglesias, P.A., Logarithmic integrals and system dynamics: an analogue of Bode's sensitivity integral for continuous-time, time-varying systems 343–344 (2002) 451

Igodt, P., see De Cat, T. 359 (2003) 101

Ikramov, K.D., Hamiltonian square roots of skew-Hamiltonian matrices revisited 325 (2001) 101

Ikramov, K.D., see Al'pin, Y.A. 312 (2000) 115

Ikramov, K.D., see Al'pin, Y.A. 313 (2000)

Ikramov, K.D., see Đoković, D.Ž. 353 (2002) 149 Ikramov, K.D., see Fassbender, H. 364 (2003) 235

Ikramov, K.D., see George, A. 349 (2002) 11Ikramov, Kh.D., see Alpin, Yu.A. 306 (2000) 165

Ikramov, Kh.D., see Faßbender, H. 400 (2005) 15

Ionescu, V. and C. Oara, The four-block Adamjan-Arov-Krein problem for discrete-time systems 328 (2001) 95

Ipsen, I.C.F., Absolute and relative perturbation bounds for invariant subspaces of matrices 309 (2000) 45

Ipsen, I.C.F., A note on unifying absolute and relative perturbation bounds 358 (2003) 239

Ipsen, I.C.F., see Beattie, C. 358 (2003) 281 Ishibashi, H., Structure of the orthogonal group $O_n(V)$ over *L*-rings 390 (2004) 357

Ito, M., H. Nakazato, K. Okubo and T. Yamazaki, On generalized numerical range of the Aluthge transformation 370 (2003) 147

Ivanov, I.G., Perturbation analysis for solutions of $X \pm A^*X^*A = Q$ 395 (2005) 313 Ivanov, I.G., V.I. Hasanov and B.V. Minchev,

On matrix equations $X \pm A^* X^{-2} A = I$ 326 (2001) 27

Ivanov, I.G., see Hasanov, V.I. 379 (2004) 113

Jackson, P.S., see Rowlinson, P. 356 (2002) 135

Jacob, B., J. Leblond, J.-P. Marmorat and J.R. Partington, A constrained approximation problem arising in parameter identification 351–352 (2002) 487

Jain, S.K. and J. Tynan, Nonnegative matrices A with $AA^z \ge 0.379$ (2004) 381

Jain, S.K., see Bapat, R.B. 376 (2004) 69

Jansson, C., Quasiconvex relaxations based on interval arithmetic 324 (2001) 27

Jaume, D.A. and R. Puente, Representability of convex sets by analytical linear inequality systems 380 (2004) 135

Jbilou, K., A. Messaoudi and K. Tabaâ, Some Schur complement identities and applications to matrix extrapolation methods 392 (2004) 195

Jelonek, Z., Affine automorphisms that are isometries 364 (2003) 125

Jenek, S., T. Szulc and F. Uhlig, On the class of D_k -symmetrizable matrices 363 (2003) 133

Jensen, D.R. and S.S. Srinivasan, Matrix equivalence classes with applications 388 (2004) 249

Ji, G., Asymptotic similarity-preserving linear maps on \(\mathscr{H}\) 368 (2003) 371 Ji, G., Similarity-preserving linear maps on $\mathcal{B}(\mathcal{H})$ 360 (2003) 249

Ji, G.-X., see Zhang, J.-H. 392 (2004) 61 Jia, R.-Z., see Wu, Y.-K. 345 (2002) 195

Jiang, C.-C. and K.-H. Kuo, On normal extensions of submatrices 370 (2003) 301

Jiang, E.P. and M.W. Berry, Solving total least-squares problems in information retrieval 316 (2000) 137

Jiang, E.-X., Perturbation in eigenvalues of a symmetric tridiagonal matrix 399 (2005) 91

Jiang, J., A matrix inequality and its statistical application 307 (2000) 131

Jiang, J., Dispersion matrix in balanced mixed ANOVA models 382 (2004) 211

Jiang, Q., Parametrizations of symmetric orthogonal multifilter banks with different filter lengths 311 (2000) 79

Jiang, T. and M. Wei, On solutions of the matrix equations X - AXB = C and $X - A\overline{X}B = C$ 367 (2003) 225

Jiang, W., see Liu, B. 323 (2001) 201

Jiang, Y., W.W. Hager and J. Li, The geometric mean decomposition 396 (2005) 373
Jiang, Z., see Zhang, S. 347 (2002) 101

Jiménez-Merchán, A., see Gómez, J.R. 335 (2001) 119

Jin, X.-Q. and S.-L. Lei, Sine transform based preconditioners for solving constant-coefficient first-order PDEs 366 (2003) 283

Jin, X.-Q., see Cai, M.-C. 376 (2004) 283 Jin, X.-Q., see Cheng, C.-M. 395 (2005) 361 Jin, X.-Q., see Gulliksson, M. 349 (2002) 221

Jing, W., P. Li and S. Lu, Additive mappings that preserve rank one nilpotent operators 367 (2003) 213

Jing, W., see Li, P. 382 (2004) 237

Johnson, C.R. and A. Leal Duarte, On the possible multiplicities of the eigenvalues of a Hermitian matrix whose graph is a tree 348 (2002) 7

Johnson, C.R. and D.D. Olesky, Sums of totally positive matrices 392 (2004) 1

Johnson, C.R. and D.P. Stanford, Patterns that allow given row and column sums 311 (2000) 97

Johnson, C.R. and K. Okubo, Uniqueness of matrix square roots under a numerical range condition 341 (2002) 195

Johnson, C.R. and R. Reams, Semidefiniteness without real symmetry 306 (2000) 203

Johnson, C.R. and R. Reams, Spectral theory of copositive matrices 395 (2005) 275

Johnson, C.R. and R.L. Smith, Almost principal minors of inverse M-matrices 337 (2001) 253 Johnson, C.R. and R.L. Smith, Linear interpolation problems for matrix classes and a transformational characterization of M-matrices 330 (2001) 43

Johnson, C.R. and R.L. Smith, The positive definite completion problem relative to a

subspace 307 (2000) 1

Johnson, C.R. and S. Furtado, A generalization of Sylvester's law of inertia 338 (2001) 287

Johnson, C.R., A. Leal Duarte and C.M. Saiago, Inverse eigenvalue problems and lists of multiplicities of eigenvalues for matrices whose graph is a tree: the case of generalized stars and double generalized stars 373 (2003) 311

Johnson, C.R., A. Leal Duarte, C.M. Saiago, B.D. Sutton and A.J. Witt, On the relative position of multiple eigenvalues in the spectrum of an Hermitian matrix with a given

graph 363 (2003) 147

Johnson, C.R., B. Kroschel and M. Omladič, Eigenvalue multiplicities in principal submatrices 390 (2004) 111

Johnson, C.R., K. Okubo and R. Reams, Uniqueness of matrix square roots and an application 323 (2001) 51

Johnson, C.R., R.D. Masson and M.W. Trosset, On the diagonal scaling of Euclidean distance matrices to doubly stochastic matrices 397 (2005) 253

Johnson, C.R., S.A. Lewis and D.Y. Yau, Possible line sums for a qualitative matrix 327 (2001) 53

Johnson, C.R., see Crans, A.S. 328 (2001) 203Johnson, C.R., see Dias da Silva, J.A. 326 (2001) 15

Johnson, C.R., see Drew, J.H. 308 (2000) 121 Johnson, C.R., see Drew, J.H. 313 (2000) 141 Johnson, C.R., see Drew, J.H. 327 (2001) 121 Johnson, C.R., see Eischen, E.E. 357 (2002)

273

Johnson, C.R., see Fallat, S.M. 312 (2000) 73 Johnson, C.R., see Furtado, S. 348 (2002) 193 Johnson, C.R., see Furtado, S. 359 (2003) 67 Johnson, C.R., see Furtado, S. 376 (2004) 291 Johnson, C.R., see Furtado, S. 394 (2005) 291 Johnson, C.R., see Gekhtman, M. 393 (2004) 175

Johnson, C.R., see Gelonch, J. 380 (2004) 151

Johnson, N.W., R. Kellerhals, J.G. Ratcliffe and S.T. Tschantz, Commensurability classes of hyperbolic Coxeter groups 345 (2002) 119

Jonckheere, E.A., see Gutkin, E. 376 (2004) 143

Jordán, C. and J.R. Torregrosa, The totally positive completion problem 393 (2004) 259 Jordán, C., J.R. Torregrosa and A.M.

Urbano, Completions of partial *P*-matrices with acyclic or non-acyclic associated graph 368 (2003) 25

Jordán, C., J.R. Torregrosa and A.M. Urbano, Graphs and controllability completion problems 332–334 (2001) 355

Jornet, V., see Goberna, M.A. 360 (2003) 151 Jubete, F., see Castillo, E. 346 (2002) 131 Julca, P.P., see Correa, I. 396 (2005) 35

Jung, I.B., E. Ko, C. Li and S.S. Park, Embry truncated complex moment problem 375 (2003) 95

Jurkiewicz, S., see Oliveira, C.S. 356 (2002) 113

Kaashoek, M.A., see Bart, H. 399 (2005) 203Kaashoek, M.A., see Gohberg, I. 385 (2004) 381

Kabadi, S.N., see Sridhar, R. 304 (2000) 33 Kacha, A., see Raissouli, M. 320 (2000) 115 Kailath, T., see Boros, T. 302–303 (1999) 265 Kailath, T., see Boros, T. 343–344 (2002) 63 Kailath, T., see Constantinescu, T. 343–344

(2002) 147

Kalantari, B., Semidefinite programming and matrix scaling over the semidefinite cone 375 (2003) 221

Kalantari, B. and T.H. Pate, A determinantal lower bound 326 (2001) 151

Kalauch, A., On maximum principles for Moperators 371 (2003) 209

Kalogeropoulos, G., P. Psarrakos and N. Karcanias, On the computation of the Jordan canonical form of regular matrix polynomials 385 (2004) 117

Kalsi, A., see Mastronardi, N. 391 (2004) 203 Kaltofen, E., see Chen, L. 343–344 (2002) 119 Kamei, E., see Fujiji, M. 341 (2002) 119

Kamvar, S., T. Haveliwala and G. Golub, Adaptive methods for the computation of PageRank 386 (2004) 51

Kang, K.-T., see Beasley, L.B. 399 (2005) 3Kaplan, W., A copositivity probe 337 (2001) 237

Kaplan, W., A test for copositive matrices 313 (2000) 203

Kaptanoğlu, H.T., see Alpay, D. 342 (2002) 163

Karampetakis, N.P., On the solution space of discrete time AR-representations over a finite time horizon 382 (2004) 83

Karcanias, N. and M. Mitrouli, System theoretic based characterisation and computation of the least common multiple of a set of polynomials 381 (2004) 1 Karcanias, N., see Kalogeropoulos, G. 385 (2004) 117

Karner, H., J. Schneid and C.W. Ueberhuber, Spectral decomposition of real circulant matrices 367 (2003) 301

Karow, M., see Gutkin, E. 376 (2004) 143 Karzaov, A.V., Concave cocirculations in a

triangular grid 400 (2005) 67 Kaszkurewicz, E., see Bhaya, A. 332-334

(2001) 257Kaszkurewicz, E., see Bhaya, A. 374 (2003)

159 Kattchee, K., Elasticities of Krull domains

with finite divisor class group 384 (2004) 171 Keeska, S., A variant of the Hausdorff theorem for multi-index matrices II 327 (2001)

Keel, L.H. and S.P. Bhattacharyya, Root counting, phase unwrapping, stability and stabilization of discrete time systems 351-352 (2002) 501

Keller, N., see Hershkowitz, D. 364 (2003) 105 Kellerhals, R., see Johnson, N.W. 345 (2002)

Kemper, P., see Derisavi, S. 386 (2004) 137 Kemperman, J.H.B., see Cohen, J.E. 395

Kestenband, B.C., The correlations with identity companion automorphism, of finite Desarguesian planes 304 (2000) 1

Kheifets, A., see Bolotnikov, V. 367 (2003) 271 Kheifets, A., see Bolotnikov, V. 385 (2004) 215 Kilner, S.J., see Drew, J.H. 313 (2000) 141 Kim, H.K., see Lee, J. 307 (2000) 35

Kim, I.-P., see Choi, G.-S. 395 (2005) 303 Kim, I.-P., see Hwang, S.-G. 371 (2003) 225 Kim, J.-S., see Cheon, G.-S. 329 (2001) 49

Kim, J.-S., see Cheon, G.-S. 357 (2002) 247 Kim, J.-S., see Lee, G.-Y. 373 (2003) 75

Kim, K.H. and F.W. Roush, Inclines and incline matrices: a survey 379 (2004) 457

Kim, S.D. and Y.H. Lee, Analysis on eigenvalues for preconditioning cubic spline collocation method of elliptic equations 327 (2001) 1

Kim, S.-J. and B.L. Shader, Linear systems with signed solutions 313 (2000) 21

Kim, S.-J. and B.L. Shader, On matrices which have signed null-spaces 353 (2002) 245

Kim, S.-J., see Hwang, S.-G. 371 (2003) 225 Kim, S.-R., see Cho, H.H. 332-334 (2001)

Kim, S.-R., see Cho, H.H. 373 (2003) 289 Kim, S.W. and J.H. Yun, Block ILU factorization preconditioners for a block-tridiagonal H-matrix 317 (2000) 103

King, A.D., see Brenner, S. 365 (2003) 99

King, C. and M. Nathanson, New trace norm inequalities for 2 × 2 blocks of diagonal matrices 389 (2004) 77

Kirkland, S., A note on limit points for algebraic connectivity 373 (2003) 5

Kirkland, S., An upper bound on the Perron value of an almost regular tournament matrix 361 (2003) 7

Kirkland, S., Digraph-based conditioning for Markov chains 385 (2004) 81

Kirkland, S., On the sequence of powers of a stochastic matrix with large exponent 310 (2000) 109

Kirkland, S., Sensitivity of the stable distribution vector for a size-classified population model 398 (2005) 3

Kirkland, S., P.J. Psarrakos and M.J. Tsatsomeros, On the location of the spectrum of hypertournament matrices 323 (2001) 37 Kirkland, S., see Beasley, L.B. 373 (2003) 67

Kirkland, S., see Fallat, S.M. 373 (2003) 31 Kirkland, S.J. and M. Neumann, Regular

Markov chains for which the transition matrix has large exponent 316 (2000) 45

Kirkland, S.J., J.J. Molitierno, M. Neumann and B.L. Shader, On graphs with equal algebraic and vertex connectivity 341 (2002) 45

Kirkland, S.J., see Eschenbach, C. 306 (2000)

Kirkland, S.J., see Gregory, D.A. 332-334 (2001) 23

Kirkland, S.J., see Hemasinha, R. 361 (2003)

Kirstein, B., see Fritzsche, B. 346 (2002) 273 Kirstein, B., see Fritzsche, B. 372 (2003) 1

Kittaneh, F., Norm inequalities for sums and differences of positive operators 383 (2004)

Kittaneh, F., see Bhatia, R. 308 (2000) 203 Kittaneh, F., see Bhatia, R. 318 (2000) 109 Kittaneh, F., see Hirzallah, O. 308 (2000) 77

Kittaneh, F., see Hirzallah, O. 341 (2002) 181

Klein, A., A generalization of Whittle's formula for the information matrix of vector mixed time series 321 (2000) 197

Klein, A. and H. Neudecker, A direct derivation of the exact Fisher information matrix of Gaussian vector state space models 321 (2000) 233

Klein, A. and P. Spreij, On Stein's equation, Vandermonde matrices and Fisher's information matrix of time series processes. Part I: The autoregressive moving average process 329 (2001) 9

Klein, A. and P. Spreij, On the solution of Stein's equation and Fisher's information matrix of an ARMAX process 396 (2005) 1 Klein, A., G. Mélard and T. Zahaf, Construction of the exact Fisher information matrix of Gaussian time series models by means of matrix differential rules 321 (2000) 209

Klein, T., Invariant symmetric block matrices for the design of mixture experiments 388

(2004) 261

Klin, M., A. Munemasa, M. Muzychuk and P.-H. Zieschang, Directed strongly regular graphs obtained from coherent algebras 377 (2004) 83

Klingler, L., see Brewer, J. 325 (2001) 209

Klyachko, A.A., Random walks on symmetric spaces and inequalities for matrix spectra 319 (2000) 37

Knizhnerman, L., see Druskin, V. 396 (2005) 103

Knottenbelt, W.J., see Bradley, J.T. 386 (2004) 311

Knüppel, F. and K. Nielsen, k-fold anti-invariant subspaces of a linear mapping 375 (2003) 13

Knüppel, F., see Bünger, F. 331 (2001) 31

Knutson, A., The symplectic and algebraic geometry of Horn's problem 319 (2000) 61

Knyazev, A.V. and K. Neymeyr, A geometric theory for preconditioned inverse iteration III: A short and sharp convergence estimate for generalized eigenvalue problems 358 (2003) 95

Ko, E., see Jung, I.B. 375 (2003) 95

Kobilinsky, A., Reparametrisation of interest in non-uniform factorial designs 321 (2000) 239

Kogiso, T., see Amano, K. 355 (2002) 215

Koh, Y. and S. Ree, On k-hypertournament matrices 373 (2003) 183

Košir, T., The Cayley–Hamilton theorem and inverse problems for multiparameter systems 367 (2003) 155

Košir, T. and B. Plestenjak, On stability of invariant subspaces of commuting matrices 342 (2002) 133

Košir, T., see Drnovšek, R. 383 (2004) 113

Koiran, P., N. Portier and G. Villard, A rank theorem for Vandermonde matrices 378 (2004) 99

Kokol-Bukovšek, D., More on matrix semigroup homomorphisms 346 (2002) 73

Koliha, J.J., V. Rakočević and I. Straškraba, The difference and sum of projectors 388 (2004) 279

Koliha, J.J., see Castro González, N. 312 (2000) 181

Kollo, T., see Fang, K.-T. 321 (2000) 27

Kolotilina, L.Yu., Optimally conditioned block matrices 340 (2002) 55 Kolotilina, L.Yu., Generalizations of the Ostrowski–Brauer theorem 364 (2003) 65

Kolotilina, L.Yu., Nonsingularity/singularity criteria for nonstrictly block diagonally dominant matrices 359 (2003) 133

Koltchinskii, V., see Abdallah, C.T. 351-352 (2002) 11

Koltracht, I., see Bart, H. 385 (2004) 7

Koltracht, I., see Boman, E. 302-303 (1999)

Koltracht, I., see Choi, Y.S. 357 (2002) 217 Koltracht, I., see Choi, Y.S. 399 (2005) 141

Kong, T.Y., see Vardi, E. 339 (2001) 75

Konstantinov, M., V. Angelova, P. Petkov, D. Gu and V. Tsachouridis, Perturbation bounds for coupled matrix Riccati equations 359 (2003) 197

Konstantinov, M., V. Mehrmann and P. Petkov, On properties of Sylvester and Lyapunov operators 312 (2000) 35

Kontoghiorghes, E.J., see Foschi, P. 388 (2004) 193

Korkee, I. and P. Haukkanen, Bounds for determinants of meet matrices associated with incidence functions 329 (2001) 77

Korkee, I. and P. Haukkanen, On meet and join matrices associated with incidence functions 372 (2003) 127

Koshlukov, P., see Colombo, J. 377 (2004) 53 Kosowski, P., The relative error in the Pruess method for Sturm-Liouville problems 309 (2000) 325

Koukouvinos, C., E. Lappas, M. Mitrouli and J. Seberry, An algorithm to find formulae and values of minors for Hadamard matrices: II 371 (2003) 111

Koukouvinos, C., M. Mitrouli and J. Seberry, An algorithm to find formulae and values of minors for Hadamard matrices 330 (2001) 129

Koukouvinos, C., M. Mitrouli and J. Seberry, Growth in Gaussian elimination for weighing matrices, W(n, n-1) 306 (2000) 189

Koukouvinos, C., see Seberry, J. 373 (2003)

Kovács, I., On automorphisms of circulant digraphs on p^m vertices, p an odd prime 356 (2002) 231

Kover, J., see Enflo, P. 338 (2001) 139

Kozeratska, L., J.F. Forbes, R.G. Goebel and J.V. Kresta, Perturbed cones for analysis of uncertain multi-criteria optimization problems 378 (2004) 203

Krafft, O. and M. Schaefer, Centrogonal matrices 306 (2000) 145

Kramar, M., Irreducible groups with submultiplicative spectrum 378 (2004) 273 Kratz, W., Banded matrices and difference equations 337 (2001) 1

Krause, A., Algebraic computations in derived categories 365 (2003) 247

Krause, H., A short proof for Auslander's defect formula 365 (2003) 267

Kravanja, P., see Van Barel, M. 366 (2003) 441
Kresta, J.V., see Kozeratska, L. 378 (2004) 203
Kribs, D.W., A quantum computing primer for operator theorists 400 (2005) 147

Krieger, H.A., see Filar, J. 353 (2002) 227 Kronewitter, F.D., Using noncommutative Gröbner bases in solving partially prescribed matrix inverse completion problems

338 (2001) 171

Kroschel, B., see Johnson, C.R. 390 (2004) 111 Kruglyak, S., V. Rabanovich and Y. Samoilenko, Decomposition of a scalar matrix into a sum of orthogonal projections 370 (2003) 217

Krupnik, N., On the lengths of Jordan chains for eigenvalues on the boundary of numerical range of quadratic operator polynomial 385 (2004) 131

Kuba, A. and M. Nivat, Reconstruction of discrete sets with absorption 339 (2001) 171
Kuba, A., see Balogh, E. 339 (2001) 23

Kuba, A., see Baiogn, E. 339 (2001) 23 Kuba, A., see Brunetti, S. 339 (2001) 37

Kučera, V., see Mondić, S. 317 (2000) 177Kubicki, G., J. Lehel and M. Morayne, Totally positive matrices and totally positive

hypergraphs 331 (2001) 193 Kuijken, E., see Haemers, W.H. 356 (2002) 79 Kukush, A. and H. Schneeweiss, A note on a matrix inequality for generalized means

388 (2004) 289 Kulpa, Z., Diagrammatic representation for interval arithmetic 324 (2001) 55

interval arithmetic 324 (2001) 55 Kumar, R., see Merikoski, J.K. 364 (2003) 13 Kuo, K.-H., see Jiang, C.-C. 370 (2003) 301

Kuriyama, K., see Yanagi, K. 394 (2005) 109 Kuriyama, K., see Yanagi, K. 395 (2005) 351 Kuroda, M., Quadratic Gauss sums on ma-

trices 384 (2004) 187

Kurowicka, D. and R. Cooke, A parameteri-

zation of positive definite matrices in terms of partial correlation vines 372 (2003) 225 Kuz'min S.G. and A.N. Zubkov, Rings of in-

Kuz'min, S.G. and A.N. Zubkov, Rings of invariants of 2 × 2 matrices in positive characteristic 365 (2003) 271

Kuzma, B., Additive idempotence preservers 355 (2002) 103

Kuzma, B., Additive mappings decreasing rank one 348 (2002) 175

Kwak, J.H. and Y.S. Kwon, Characteristic polynomials of graph bundles having voltages in a dihedral group 336 (2001) 99 Kwak, J.H., see Du, S.-F. 373 (2003) 101 Kwon, Y.S., see Kwak, J.H. 336 (2001) 99 Kye, S.-H., Facial structures for unital positive

linear maps in the two-dimensional matrix algebra 362 (2003) 57

Labra, A. and C. Reyes, Representations on train algebras of rank 3 400 (2005) 91

Ladyzhensky, L., see Mirman, B. 329 (2001) 61 Laffey, T.J. and E. Meehan, A characterization of trace zero nonnegative 5 × 5 matrices 302–303 (1999) 295

Lagarias, J.C., see Daubechies, I. 327 (2001) 69 Lakatos, P., see Dlab, V. 365 (2003) 143

Lam, F., see Drew, J.H. 327 (2001) 121

La Mattina, D., On the graded identities and cocharacters of the algebra of 3 × 3 matrices 384 (2004) 55

Lamberson, R.H., see Carroll, J.E. 396 (2005) 259

Lambrou, M.S. and W.E. Longstaff, Small transitive families of subspaces in finite dimensions 357 (2002) 229

Lancaster, P., A.S. Markus and F. Zhou, A wider class of stable gyroscopic systems 370 (2003) 257

Lang, B., see Großer, B. 358 (2003) 45 Lang, P., see Feldmann, S. 371 (2003) 125

Lang, P., see Feldmann, S. 381 (2004) 141

Lange, K., see Eischen, E.E. 357 (2002) 273
 Langer, H., A. Markus, V. Matsaev and C.
 Tretter, A new concept for block operator matrices: the quadratic numerical range 330 (2001) 89

Langer, H., see Alpay, D. 369 (2003) 113 Langer, H., see Alpay, D. 387 (2004) 313

Langlois, P., see Braconnier, T. 309 (2000) 307
Langlois, Y. and T. Ransford, Counterexample to a conjecture of Elsner on the spectral variation of matrices 349 (2002) 193

Langville, A.N., see Basharin, G.P. 386 (2004)

Lappas, E., see Koukouvinos, C. 371 (2003)

Larson, D.R., see Hadwin, D. 377 (2004) 165 Lasarow, A., see Fritzsche, B. 372 (2003) 1 László, Á., A generalization of the bounded real lemma 372 (2003) 79

Latouche, G., see Bini, D.A. 340 (2002) 225 Latouche, G., see Bini, D.A. 366 (2003) 39 Lauck, T., see Carroll, J.E. 396 (2005) 259

Lauck, 1., see Carroll, J.E. 396 (2005) 259 Lausch, H., see Ellers, E.W. 327 (2001) 151

Lavrič, B., Monotonicity and *orthant-monotonicity of certain maximum norms 367 (2003) 29

Lavrič, B., The isometries and the *G*-invariance of certain seminorms 374 (2003) 31

Leal Duarte, A., see Johnson, C.R. 348 (2002)

Leal Duarte, A., see Johnson, C.R. 363 (2003) 147

Leal Duarte, A., see Johnson, C.R. 373 (2003) 311

Leazizi, F., see Raïssouli, M. 359 (2003) 37 Leblond, J., see Jacob, B. 351-352 (2002) 487

Le Borne, R.C., see Bunch, J.R. 361 (2003) 133 Lecoz, M., see Fourneau, J.M. 386 (2004) 167 Ledoux, J. and L. Truffet, Comparison and ag-

gregation of max-plus linear systems 378 (2004) 245

Lee, E.-Y., see Hwang, S.-G. 376 (2004) 97

Lee, G.-Y., k-Lucas numbers and associated bipartite graphs 320 (2000) 51

Lee, G.-Y. and J.-S. Kim, The linear algebra of the k-Fibonacci matrix 373 (2003) 75

Lee, J. and H.K. Kim, Characteristic polynomials of graphs having a semifree action 307 (2000) 35

Lee, S.-G., see Beasley, L.B. 304 (2000) 141

Lee, S.-G., see Beasley, L.B. 350 (2002) 263 Lee, S.-G., see Beasley, L.B. 367 (2003) 341

Lee, S.-G., see Beasley, L.B. 393 (2004) 39 Lee, Y.-H., see Beasley, L.B. 367 (2003) 341

Lee, Y.H., see Kim, S.D. 327 (2001) 1

Legiša, P., Automorphisms of M_n , partially ordered by rank subtractivity ordering 389 (2004) 147

Lehel, J., see Kubicki, G. 331 (2001) 193

Lei, S.-L., see Jin, X.-Q. 366 (2003) 283 Leite, F.S., see Cardoso, J.R. 360 (2003) 237

Leite, R.S. and C. Tomei, Parameterization by polytopes of intersections of orbits by conjugation 361 (2003) 223

Leith, D., see Berman, A. 393 (2004) 47

Lemmens, B. and O. Van Gaans, Iteration of linear p-norm nonexpansive maps 371 (2003) 265

Lemmerling, P., N. Mastronardi and S. Van Huffel, Efficient implementation of a structured total least squares based speech compression method 366 (2003) 295

Lemmerling, P., see Mastronardi, N. 391 (2004) 203

Lemmert, R., see Herzog, G. 320 (2000) 199 Lemos, M., Non-separating cocircuits in binary matroids 382 (2004) 171

Lemos, R., see Bebiano, N. 376 (2004) 265

Lemos, R., see Bebiano, N. 381 (2004) 259 Lemos, R., see Bebiano, N. 399 (2005) 17

Lenker, T. and S. Narayan, Spectrally stable matrices 362 (2003) 177

Lenker, T., see Fleming, R. 306 (2000) 15

Lenker, T.D., see Egleston, P.D. 379 (2004)

Lenzing, H. and L. Hasenberg, Additive functions on quivers 365 (2003) 279

Lepore, F., see Di Fiore, C. 366 (2003) 215

Lerer, L. and L. Rodman, Bezoutians of rational matrix functions, matrix equations and factorizations 302-303 (1999) 105

Lerer, L., M.A. Petersen and A.C.M. Ran, Existence of minimal nonsquare J-symmetric factorizations for self-adjoint rational matrix functions 379 (2004) 159

Lešnjak, G., Additive preservers of numerical range 345 (2002) 235

Lešnjak, G., A note on constrained convergence 325 (2001) 75

Lešnjak, G., A note on an algebraic version of Cochran's theorem 388 (2004) 295

Lešnjak, G., Semigroups of EP linear transformations 304 (2000) 109

Lewis, A.S. and H.S. Sendov, Quadratic expansions of spectral functions 340 (2002)

Lewis, A.S., see Burke, J.V. 351-352 (2002) 117

Lewis, B., see Calvetti, D. 302-303 (1999)

Lewis, B., see Calvetti, D. 316 (2000) 157

Lewis, S.A., see Johnson, C.R. 327 (2001) 53 Lewkowicz, I., L. Rodman and E.J. Yarkoni, Convex invertible sets and matrix sign function 396 (2005) 329

Lewkowicz, I., see Cohen, N. 318 (2000) 23 Lewkowicz, I., see Cohen, N. 360 (2003) 83 Leydold, J., see Bıyıkoğlu, T. 390 (2004) 155

Leydold, J., see Davies, E.B. 336 (2001) 51 Li, B. and B. De Moor, Identification of influential observations on total least squares

estimates 348 (2002) 23 Li, B., see Cui, J. 336 (2001) 29 Li, C., see Jung, I.B. 375 (2003) 95

Li, C.-H. and S.-Y. Yang, On a conjecture in D-optimal designs with $n \equiv 0 \mod 4 \mod 4$ (2005) 279

Li, C.-K., A simple proof of the Craig-Sakamoto theorem 321 (2000) 281

Li, C.-K. and A. Zaharia, Decomposable numerical ranges on orthonormal tensors 308 (2000) 139

Li, C.-K. and E. Poon, Linear operators preserving directional majorization 325 (2001) 141

Li, C.-K. and H. Schneider, Orthogonality of matrices 347 (2002) 115

Li, C.-K. and L. Rodman, Inverse closed raynonsingular cones of matrices 400 (2005)

Li, C.-K. and N.-S. Sze, Linear maps transforming H-unitary matrices 377 (2004) 111

Li, C.-K. and R. Mathias, Interlacing inequalities for totally nonnegative matrices 341 (2002) 35

Li, C.-K. and R.-C. Li, A note on eigenvalues of perturbed Hermitian matrices 395 (2005) 183

Li, C.-K. and T. Milligan, Uniqueness of the solutions of some completion problems 392 (2004) 91

Li, C.-K. and Y.-T. Poon, Spectral inequalities and equalities involving products of matrices 323 (2001) 131

Li, C.-K., B.-S. Tam and N.-K. Tsing, Linear maps preserving permutation and stochastic matrices 341 (2002) 5

Li, C.-K., B.-S. Tam and P.Y. Wu, The numerical range of a nonnegative matrix 350 (2002) 1

Li, C.-K., L. Rodman and P. Semrl, Linear transformations between matrix spaces that map one rank specific set into another 357 (2002) 197

Li, C.-K., Y.-T. Poon and N.-S. Sze, Linear maps transforming the higher numerical ranges 400 (2005) 291

Li, C.-K., see Ando, T. 385 (2004) 305

Li, C.-K., see Chan, J.-T. 399 (2005) 53

Li, C.-K., see Cheng, C.-M. 305 (2000) 87 Li, C.-K., see Cheng, C.-M. 341 (2002) 219

Li, C.-K., see Cheung, W.-S. 325 (2001) 191

Li, C.-K., see Cheung, W.-S. 355 (2002) 173

Li, C.-K., see Chiang, H. 340 (2002) 69

Li, C.-K., see Choi, M.-D. 379 (2004) 137 Li, C.-K., see Guterman, A. 315 (2000) 61

Li, F.-g. and Y.-x. Wang, Subconstituents of dual polar graph in finite classical space III

349 (2002) 105 Li, H.-B., see Huang, T.-Z. 396 (2005) 81

Li, H.-X., see Han, S.-C. 387 (2004) 143 Li, H.-X., see Han, S.-C. 389 (2004) 121

Li, H.-X., see Han, S.-C. 389 (2004) 121 Li, H.-X., see Han, S.-C. 389 (2004) 235

Li, H.-X., see Han, S.-C. 390 (2004) 233

Li, J., The determinant of a unicyclic graph's neighborhood matrix 394 (2005) 201

Li, J., see Fan, Y. 360 (2003) 207

Li, J., see Gao, Y. 327 (2001) 61

Li, J., see Hou, Y. 327 (2001) 41 Li, J., see Hou, Y. 342 (2002) 203

Li, J., see Hyman, J.M. 398 (2005) 101

Li, J., see Hyman, J.M. 398 (2005) 1 Li, J., see Jiang, Y. 396 (2005) 373

Li, J., see Miao, Z. 357 (2002) 133

Li, J.-S. and Y.-L. Pan, de Caen's inequality and bounds on the largest Laplacian eigenvalue of a graph 328 (2001) 153

Li, J.-S., see Zhang, X.-D. 353 (2002) 11

Li, P. and F. Lu, Additivity of Jordan elementary maps on nest algebras 400 (2005) 327 Li, P. and J. Ma, Ring isomorphisms and pentagon subspace lattices 367 (2003) 59

Li, P. and W. Jing, Jordan elementary maps on rings 382 (2004) 237

Li, P., F. Lu and J. Ma, Invertibility preserving linear maps on *J*-subspace lattice algebras 372 (2003) 155

Li, P., see Jing, W. 367 (2003) 213

Li, P., see Lu, F. 371 (2003) 255

Li, Q., see Wu, Y. 373 (2003) 121

Li, Q., see Wu, Y.-K. 345 (2002) 195

Li, R., Relationship of eigenvalues for USAOR iterative method applied to a class of *p*-cyclic matrices 362 (2003) 101

Li, R.-C., Relative perturbation theory: IV. sin 20 theorems 311 (2000) 45

Li, R.-C. and G.W. Stewart, A new relative perturbation theorem for singular subspaces 313 (2000) 41

Li, R.-C., see Li, C.-K. 395 (2005) 183

Li, R.-C., see Truhar, N. 359 (2003) 263

Li, S.-Z., see Wang, Q.-W. 353 (2002) 169 Li, W. and W. Sun, Comparison results for

Lt, W. and W. Sun, Comparison results for parallel multisplitting methods with applications to AOR methods 331 (2001) 131

Li, W. and W. Sun, Modified Gauss–Seidel type methods and Jacobi type methods for Z-matrices 317 (2000) 227

Li, W., L. Elsner and L. Lu, Comparisons of spectral radii and the theorem of Stein-Rosenberg 348 (2002) 283

Li, W., see Huang, T. 319 (2000) 137

Li, W.-H., see Cao, H.-X. 345 (2002) 255

Li, X., Is a Chebyshev method optimal for an elliptic region also optimal for a nearly elliptic region? 338 (2001) 37

Li, X. and Y. Wei, An improvement on the perturbation of the group inverse and oblique projection 338 (2001) 53

Li, X., see Chen, M.-Q. 379 (2004) 267 Li, Y., see Du, H.-K. 400 (2005) 313

Li, Y.-C. and M.-H. Shih, Contractibility of compact contractions in Hilbert Space 341 (2002) 369

Li, Z., F.J. Hall and J.L. Stuart, Irreducible powerful ray pattern matrices 342 (2002) 47

Li, Z., F.J. Hall and J.L. Stuart, Reducible powerful ray pattern matrices 399 (2005) 125

Li, Z., see Eschenbach, C. 306 (2000) 103

Li, Z., see Hall, F.J. 338 (2001) 153 Li, Z., see Hall, F.J. 393 (2004) 233

Liang, H. and F. Bai, An upper bound for the permanent of (0,1)-matrices 377 (2004) 291

Lien, M. and W. Watkins, Dual graphs and knot invariants 306 (2000) 123

Lim, M.H., see Chooi, W.L. 346 (2002) 199 Lim, M.H., see Chooi, W.L. 367 (2003) 105 Lim, M.H., see Chooi, W.L. 370 (2003) 25

Lin, F.-R., W.-K. Ching and M.K. Ng, Discrete wavelet transforms for Toeplitz ma-

trices 370 (2003) 269

Lin, F.-R., W.-K. Ching and M.K. Ng, Preconditioning regularized least squares problems arising from high-resolution image reconstruction from low-resolution frames 391 (2004) 149

Lin, S.-H. and B.-S. Tam, Strong linear preservers of symmetric doubly stochastic or doubly substochastic matrices 379 (2004) 179

Lin, W.-W. and J.-g. Sun, Perturbation analysis for the eigenproblem of periodic matrix pairs 337 (2001) 157

Lin, W.-W., V. Mehrmann and H. Xu, Canonical forms for Hamiltonian and symplectic matrices and pencils 302–303 (1999) 469

Lin, W.-W., see Chu, E.K.-w. 378 (2004) 183 Lin, W.-W., see Chu, E.K.-W. 396 (2005) 55 Lin, Y.-F., Commutativity-preserving maps on

Lie ideals of prime algebras 371 (2003) 361 Lin, Z. and N.K. Bose, A generalization of Serre's conjecture and some related issues

338 (2001) 125 Lin, Z., L. Xu and Q. Wu, Applications of Gröbner bases to signal and image proces-

sing: a survey 391 (2004) 169 Lind, D., see Boyle, M. 355 (2002) 49

Linden, H., Containment regions for zeros of polynomials from numerical ranges of companion matrices 350 (2002) 125

Lindner, A.M., see Christensen, O. 323 (2001)

Lindner, A.M., see Christensen, O. 355 (2002)

Lindner, M., V.S. Rabinovich and S. Roch, Finite sections of band operators with slowly oscillating coefficients 390 (2004) 19

Lindqvist, B.H., On comparison of the Perron-Frobenius eigenvalues of two ML-matrices 353 (2002) 257

Ling, Z. and F. Lu, Jordan maps of nest algebras 387 (2004) 361

Liping, H., Consimilarity of quaternion matrices and complex matrices 331 (2001) 21

Lippert, R.A., *see* Trendafilov, N.T. 349 (2002) 245

Liu, B., Generalized exponents of boolean matrices 373 (2003) 169Liu, B. and W. Jiang, On a conjecture of Le-

win's problem 323 (2001) 201 Liu, B. and Z. Bo, On the third largest eigenva-

lue of a graph 317 (2000) 193 Liu, G. and L.C. Robertson, Free product Z₃*Z₃ of rotations with rational entries 307 (2000) 183 Liu, G. and L.C. Robertson, Structure theorem for the rotation group over Q 362 (2003) 201

Liu, H., M. Lu and F. Tian, On the Laplacian spectral radius of a graph 376 (2004) 135

Liu, H., M. Lu and F. Tian, On the spectral radius of graphs with cut edges 389 (2004) 139

Liu, J. and Y. Huang. Some properties on Schur complements of H-matrices and diagonally dominant matrices 389 (2004) 365

Liu, J., Y. Huang and F. Zhang, The Schur complements of generalized doubly diagonally dominant matrices 378 (2004) 231

Liu, M., see Han, Y. 365 (2003) 201 Liu, M., see Hu, G.-D. 390 (2004) 145

Liu, S., Local influence in multivariate elliptical linear regression models 354 (2002) 159

Liu, S., Several inequalities involving Khatri– Rao products of positive semidefinite matrices 354 (2002) 175

Liu, S., see Baksalary, J.K. 379 (2004) 277

Liu, S., see Zhang, S. 347 (2002) 101

Liu, W., Finite linear spaces admitting a projective group PSU(3, q) with q even 374 (2003) 291

Liu, X., see Baksalary, J.K. 375 (2003) 171

Liu, X., see Baksalary, J.K. 375 (2003) 83

Liu, X., see Baksalary, J.K. 379 (2004) 277

Liu, X., see Baksalary, J.K. 388 (2004) 61 Liu, X., see Baksalary, J.K. 389 (2004) 295

Liu, X.-G. and H. Gao, On the positive definite solutions of the matrix equations $X^s \pm A^T X^{-t} A = I_n$ 368 (2003) 83

Livshits, L., On decomposability of periodic semigroups of non-negative matrices 383 (2004) 163

Livshits, L. and G. MacDonald, *n*-Transitivity and the complementation property 329 (2001) 157

Livshits, L., see Drnovšek, R. 305 (2000) 67 Lockhart, J.M. and W.P. Wardlaw, Chain addition cycles 362 (2003) 1

Loewy, R. and B.-S. Tam, CP rank of completely positive matrices of order 5 363 (2003) 161

Loewy, R. and J.J. McDonald, The symmetric nonnegative inverse eigenvalue problem for 5×5 matrices 393 (2004) 275

Loewy, R., see Barrett, W. 302–303 (1999) 535
Logofet, D.O., Stronger-than-Lyapunov notions of matrix stability, or how "flowers" help solve problems in mathematical ecology 398 (2005) 75

Lomadze, V., Rosenbrock models and their homotopy equivalence 351–352 (2002) 519 Lomonosov, V. and P. Rosenthal, The simplest proof of Burnside's theorem on matrix algebras 383 (2004) 45

Longoria, L.C., see Santos, J. 339 (2001) 195Longstaff, W.E., Burnside's theorem: irreducible pairs of transformations 382 (2004) 247

Longstaff, W.E. and O. Panaia, Single elements of matrix incidence algebras 318 (2000) 117

Longstaff, W.E., see Fillmore, P.A. 350 (2002) 185

Longstaff, W.E., see Lambrou, M.S. 357 (2002) 229

López, M.A., M.J. Cánovas and J. Parra, Stability of the feasible set for linear inequality systems: A carrier index set approach 357 (2002) 83

Lotti, G., see Favati, P. 318 (2000) 209 Lotti, G., see Favati, P. 346 (2002) 177

Loubaton, P., see Alpay, D. 308 (2002) 177 Loubaton, P., see Alpay, D. 308 (2000) 163

Lovász, L., M. Saks and A. Schrijver, A correction: orthogonal representations and connectivity of graphs 313 (2000) 101

Lu, C.-Y. and N.-Z. Shi, Admissible linear estimators in linear models with respect to inequality constraints 354 (2002) 187

Lu, F., Additivity of Jordan maps on standard operator algebras 357 (2002) 123Lu, F., Jordan triple maps 375 (2003) 311

Lu, F., Multiplicative mappings of operator algebras 347 (2002) 283

Lu, F. and P. Li, Jordan isomorphisms of *g*-subspace lattice algebras 371 (2003) 255

Lu, F., see Li, P. 372 (2003) 155 Lu, F., see Li, P. 400 (2005) 327

Lu, F., see Ling, Z. 387 (2004) 361

Lu, F., see Xie, J. 378 (2004) 93

Lu, L., Perron complement and Perron root 341 (2002) 239

Lu, L. and M.K. Ng, Localization of Perron roots 392 (2004) 103

Lu, L., see Li, W. 348 (2002) 283

Lu, M., see Liu, H. 376 (2004) 135 Lu, M., see Liu, H. 389 (2004) 139

Lu, M., see Yu, A. 387 (2004) 41

Lu, M., see Yu, A. 400 (2005) 271

Lu, S., see Jing, W. 367 (2003) 213

Luati, A., see Dagum, E.B. 388 (2004) 107Luk, F.T. and S. Qiao, A fast eigenvalue algorithm for Hankel matrices 316 (2000) 171

Luo, J. and W.K. Grassmann, Rate-tilting for fast simulation of level/phase processes 386 (2004) 261

Luo, R., see Zhang, X.-D. 362 (2003) 109

Lur, Y.-Y., C.-T. Pang and S.-M. Guu, On simultaneously nilpotent fuzzy matrices 367 (2003) 37 Lur, Y.-Y., see Pang, C.-T. 350 (2002) 273Luxemburg, W.A.J., see Goldberg, M. 307 (2000) 89

Ma, J., see Huang, Q. 389 (2004) 355

Ma, J., see Li, P. 367 (2003) 59

Ma, J., see Li, P. 372 (2003) 155

MacDonald, G., see Drnovšek, R. 305 (2000) 67

MacDonald, G., see Livshits, L. 329 (2001) 157

MacDonald, G.W., see Fillmore, P.A. 350 (2002) 185

MacGillivray, G., R.M. Tifenbach and P. van den Driessche, Spectrally arbitrary star sign patterns 400 (2005) 99

Mackey, D.S., N. Mackey and F. Tisseur, Greflectors: analogues of Householder transformations in scalar product spaces 385 (2004) 187

Mackey, D.S., see Faßbender, H. 332-334 (2001) 37

Mackey, N., see Faßbender, H. 332–334 (2001)

Mackey, N., see Mackey, D.S. 385 (2004) 187

Mädler, F., see Behrends, E. 337 (2001) 139 Maestripieri, A., see Corach, G. 341 (2002) 259 Magajna, B., M. Petkovšek and A. Turnšek, An operator inequality and self-adjointness

377 (2004) 181 Magret, M.D., see Clotet, J. 332–334 (2001) 541

Magret, M.D., see Clotet, J. 355 (2002) 223 Magret, M.D., see García-Planas, M.I. 332– 334 (2001) 235

Mahjoub, A.R., see Didi Biha, M. 381 (2004) 117

Mahmoudian, K., see Akbari, S. 375 (2003) 245

Mahony, R. and P.-A. Absil, The continuoustime Rayleigh quotient flow on the sphere 368 (2003) 343

Maia de Abreu, N.M., see Oliveira, C.S. 356 (2002) 113

Mailybaev, A.A., Transformation to versal deformations of matrices 337 (2001) 87

Malamud, M.M., see Domanov, I.Yu. 348 (2002) 209

Malamud, S.M., A converse to the Jensen inequality, its matrix extensions and inequalities for minors and eigenvalues 322 (2001) 19

Malheiro, M.T., see Câmara, M.C. 320 (2000)

Malik, M. and S.R. Mohan, On ${\bf Q}$ and ${\bf R}_0$ properties of a quadratic representation in

linear complementarity problems over the second-order cone 397 (2005) 85

Mallik, R.K., The inverse of a tridiagonal matrix 325 (2001) 109

Malyshev, A. and M. Sadkane, Condition numbers for Lanczos bidiagonalization with complete reorthogonalization 371 (2003) 315

Malyshev, A.N. and M. Sadkane, Componentwise pseudospectrum of a matrix 378 (2004)

Malyshev, A.N., see Dhillon, I.S. 358 (2003) 139

Manthey, W., see Hinrichsen, D. 326 (2001) 45 Manzini, G., see Accettella, C.J. 366 (2003) 5 Manzini, G., see Codenotti, B. 304 (2000) 193

Marcaida, S., see Amparan, A. 379 (2004) 249 Marcellán, F. and F.H. Szafraniec, A matrix algorithm towards solving the moment problem of Sobolev type 331 (2001) 155

Marcellán, F., see Bueno, M.I. 384 (2004) 215 Marcellán, F., see Cachafeiro, A. 369 (2003)

Marcellán, F., see Yakhlef, H.O. 336 (2001) 231

Marchand, C., see Vincent, J.-M. 386 (2004)

Marek, I. and D.B. Szyld, Algebraic Schwarz methods for the numerical solution of Markov chains 386 (2004) 67

Marek, I. and D.B. Szyld, Comparison theorems for the convergence factor of iterative methods for singular matrices 316 (2000) 67

Marek, I. and P. Mayer, Convergence theory of some classes of iterative aggregation/disaggregation methods for computing stationary probability vectors of stochastic matrices 363 (2003) 177

Marin, J.-M. and T. Dhorne, Linear toeplitz covariance structure models with optimal estimators of variance components 354 (2002) 195

Markham, T.L., see Fallat, S.M. 359 (2003) 79 Markham, T.L., see Fiedler, M. 304 (2000) 161 Markham, T.L., see Fiedler, M. 306 (2000) 87 Markham, T.L., see Fiedler, M. 345 (2002) 9 Markham, T.L., see Fiedler, M. 389 (2004) 175 Markiewicz, A., Estimation and experiments comparison with respect to the matrix risk 354 (2002) 213

Markiewicz, A., see Groß, J. 388 (2004) 239 Markiewicz, A., see Hauke, J. 332-334 (2001)

Markus, A., see Bart, H. 385 (2004) 7 Markus, A., see Binding, P. 385 (2004) 63 Markus, A., see Langer, H. 330 (2001) 89 Markus, A.S., see Lancaster, P. 370 (2003) 257 Marmorat, J.-P., see Jacob, B. 351-352 (2002)

Maroulas, J. and P. Psarrakos, On factorization of matrix polynomials 304 (2000) 131

Maroulas, J., P.J. Psarrakos and M.J. Tsatsomeros, Perron-Frobenius type results on the numerical range 348 (2002) 49

Maroulas, J., see Adam, M. 341 (2002) 403 Marques, O.A., see Parlett, B.N. 309 (2000) 217

Marshall, D.E., see Faber, V. 374 (2003) 231 Martin, H.M. and A. Tovbis, On formal solutions of linear matrix differential-difference equations 345 (2002) 29

Martin del Rey, A., see Hernández Encinas, L. 387 (2004) 69

Martinez, S., see Dellacherie, C. 318 (2000) 1 Martinez-Bernal, J., see Escobar, C.A. 374 (2003) 275

Martins, E.A. and F.C. Silva, On the eigenvalues of Jordan products 359 (2003) 249

Martins, E.A. and F.C. Silva, On the invariant polynomials of Jordan products 360 (2003) 173

Martins, E.A., see Furtado, S. 335 (2001) 81 Martins, R.A. and J.F. Queiró, 2-widths of the Hölder unit balls 361 (2003) 245

Massey, P. and D. Stojanoff, Generalized Schur complements and P-complementable operators 393 (2004) 299

Masson, R.D., see Johnson, C.R. 397 (2005) 253 Mastnak, M., see Bernik, J. 383 (2004) 119

Mastronardi, N., P. Lemmerling, A. Kalsi, D.P. O'Leary and S.V. Huffel, Implementation of the regularized structured total least squares algorithms for blind image deblurring 391 (2004) 203

Mastronardi, N., see Lemmerling, P. 366 (2003) 295

Matache, V., Numerical ranges of composition operators 331 (2001) 61

Mata-Lorenzo, L.E. and L. Recht, Convexity properties of $Tr[(a^e a)^n]$ 315 (2000) 25

Matejaš, J., Convergence of scaled iterates by the Jacobi method 349 (2002) 17

Mathai, A.M., A pathway to matrix-variate gamma and normal densities 396 (2005) 317 Mathes, B., see Drnovšek, R. 305 (2000) 67

Mathias, R., see Ando, T. 385 (2004) 305 Mathias, R., see Li, C.-K. 341 (2002) 35

Matos, I.T. and F.C. Silva, A completion problem over the field of real numbers 320

Matsaev, V., see Langer, H. 330 (2001) 89 Matsuura, M., On the Craig-Sakamoto theorem and Olkin's determinantal result 364

(2003) 321

Mayer, G. and I. Warnke, On the fixed points of the interval function [f]([x]) = [A][x] + [b] 363 (2003) 201

Mayer, G., see Arndt, H.-R. 393 (2004) 15 Mayer, P., see Marek, I. 363 (2003) 177

Mazorchuk, V. and L. Turowska, Radical *doubles of finite-dimensional algebras 390 (2004) 293

McCarthy, N., D. Ogilvie, I. Spitkovsky and N. Zobin, Birkhoff's theorem and convex hulls of Coxeter groups 347 (2002) 219

McCullough, S., Factorization of operator-valued polynomials in several non-commuting variables 326 (2001) 193

McDonald, J.J., The peripheral spectrum of a nonnegative matrix 363 (2003) 217

McDonald, J.J., see Carnochan Naqvi, S. 381 (2004) 245

McDonald, J.J., see Edwards, R. 398 (2005) 37
 McDonald, J.J., see Loewy, R. 393 (2004) 275
 McDonald, J.J., see Zaslavsky, B.G. 372 (2003) 253

McEachin, R., A connection between Schur multiplication and Fourier interpolation 341 (2002) 379

McKay, A.M., see Drew, J.H. 313 (2000) 141 McKay, B.D. and X. Wang, Asymptotic enumeration of 0–1 matrices with equal row sums and equal column sums 373 (2003) 273 McKenna, P.J., see Choi, Y.S. 357 (2002) 217 McKenna, P.J., see Choi, Y.S. 399 (2005) 141

Medina, G. and A. Zavadskij, The four subspace problem: An elementary solution 392 (2004) 11

Meehan, E., see Laffey, T.J. 302-303 (1999)

Meerbach, E., C. Schütte and A. Fischer, Eigenvalue bounds on restrictions of reversible nearly uncoupled Markov chains 398 (2005) 141

Mehl, C., Anti-triangular and anti-m-Hessenberg forms for Hermitian matrices and pencils 317 (2000) 143

Mehl, C. and L. Rodman, Classes of normal matrices in indefinite inner products 336 (2001) 71

Mehl, C. and L. Rodman, Symmetric matrices with respect to sesquilinear forms 349 (2002) 55

Mehl, C., V. Mehrmann and H. Xu, On doubly structured matrices and pencils that arise in linear response theory 380 (2004) 3

Mehrmann, V., see Konstantinov, M. 312 (2000) 35

Mehrmann, V., see Lin, W.-W. 302-303 (1999) 469

Mehrmann, V., see Mehl, C. 380 (2004) 3

Meini, B., see Bini, D.A. 340 (2002) 225 Meini, B., see Bini, D.A. 343–344 (2002) 21 Meini, B., see Bini, D.A. 366 (2003) 39

Meini, B., see Bini, D.A. 386 (2004) 187

Mélard, G., see Klein, A. 321 (2000) 209Melman, A., A symmetric algorithm for Toe-plitz systems 301 (1999) 145

Melman, A., A two-step even-odd split Levinson algorithm for Toeplitz systems 338 (2001) 219

Melman, A., Symmetric centrosymmetric matrix-vector multiplication 320 (2000) 193

Mélot, H., see Hansen, P. 356 (2002) 211 Mencherini, L. and S. Spagnolo, Uniformly symmetrizable 3 × 3 matrices 382 (2004) 25

Menchi, O., see Favati, P. 318 (2000) 209 Menchi, O., see Favati, P. 346 (2002) 177

Mendes Araújo, C., J.R. Torregrosa and A.M. Urbano, The *N*-matrix completion problem under digraphs assumptions 380 (2004) 213

Meng, D.J., see Ren., B. 338 (2001) 77 Meng, D.J., see Wang, L.Y. 355 (2002) 1

Meng, D.J., see Wang, L.Y. 369 (2002) 1

Merikoski, J.K. and A. Virtanen, The best possible lower bound for the Perron root using traces 388 (2004) 301

Merikoski, J.K. and R. Kumar, Characterizations and lower bounds for the spread of a normal matrix 364 (2003) 13

Merino, D.I., see Goodson, G.R. 369 (2003) 279

Merino, D.I., see Horn, R.A. 302-303 (1999)

Meshulam, R. and P. Šemrl, Locally linearly dependent operators and reflexivity of operator spaces 383 (2004) 143

Messaoudi, A., see Jbilou, K. 392 (2004) 195 Metelli, C., see Barioli, F. 374 (2003) 107

Meyer, C.D., see Cho, G.E. 316 (2000) 21 Meyer, C.D., see Cho, G.E. 335 (2001) 137

Miao, Z. and J. Li, Inertially arbitrary (2r-1)-diagonal sign patterns 357 (2002) 133

Miao, Z. and K. Zhang, The local exponent sets of primitive digraphs 307 (2000) 15

Michel, A.N., see Hu, B. 351–352 (2002) 475 Mičić, J., J. Pečarić and Y. Seo, Function order of positive operators based on the Mond–Pečarić method 360 (2003) 15

Mićić, J., J. Pečarić and Y. Seo, Complementary inequalities to inequalities of Jensen and Ando based on the Mond-Pečarić method 318 (2000) 87

Mićić, J., see Pečarić, J. 396 (2005) 175 Miellou, J.-C., see Bahi, J.M. 332–334 (2001)

181

Milligan, T., see Li, C.-K. 392 (2004) 91

Mills, M.A., The intersection of the similarity and conjunctivity equivalence classes 362 (2003) 129

Minchev, B.V., see Ivanov, I.G. 326 (2001) 27 Ming, G.J. and T.S. Wang, A relation between the matching number and Laplacian spectrum of a graph 325 (2001) 71

Ming, G.J. and T.S. Wang, On the spectral radius of trees 329 (2001) 1

Minoux, M., Extension of MacMahon's Master Theorem to pre-semi-rings 338 (2001) 19
 Miranda, H.F., Singular values, diagonal elements, and extreme matrices 305 (2000) 151

Miranian, L. and M. Gu, Strong rank revealing LU factorizations 367 (2003) 1

Mirman, B., UB-matrices and conditions for Poncelet polygon to be closed 360 (2003) 123 Mirman, B., V. Borovikov, L. Ladyzhensky and R. Vinograd, Numerical ranges, Poncelet curves, invariant measures 329 (2001) 61

Misra, G., see Bagchi, B. 341 (2002) 357

Mita, T., see Xin, X. 351-352 (2002) 809

Mitrouli, M., see Karcanias, N. 381 (2004) 1 Mitrouli, M., see Koukouvinos, C. 306 (2000) 189

Mitrouli, M., see Koukouvinos, C. 330 (2001) 129

Mitrouli, M., see Koukouvinos, C. 371 (2003) 111

Mitrouli, M., see Seberry, J. 373 (2003) 297

Miura, T., see Takagi, H. 341 (2002) 299

Mizuno, H. and I. Sato, Zeta functions of digraphs 336 (2001) 181

Mizuno, H. and I. Sato, Weighted zeta functions of digraphs 355 (2002) 35

 Modersitzki, J., see Fischer, B. 380 (2004) 107
 Mohammadian, A., see Akbari, S. 390 (2004) 345

Mohammed, A.A., see Cabrera, M. 306 (2000) 25

Mohan, S.R., S.K. Neogy and A.K. Das, More on positive subdefinite matrices and the linear complementarity problem 338 (2001) 275

Mohan, S.R., S.K. Neogy and A.K. Das, On the classes of fully copositive and fully semimonotone matrices 323 (2001) 87

Mohan, S.R., see Malik, M. 397 (2005) 85 Molera, J.M., see Dopico, F.M. 309 (2000) 3 Molitierno, J.J. and M. Neumann, On trees

with perfect matchings 362 (2003) 75 Molitierno, J.J., see Kirkland, S.J. 341 (2002) 45

Molnár, L., Conditionally multiplicative maps on the set of all bounded observables preserving compatibility 349 (2002) 197 Molnár, L., Preservers on Hilbert space effects 370 (2003) 287

Molnár, L., Some multiplicative preservers on B(H) 301 (1999) 1

Molteni, G., About two trigonometric matrices 382 (2004) 39

Mondié, S., P. Zagalak and V. Kučera, State feedback in linear control theory 317 (2000) 177

Montefusco, L.B., see Barnabei, M. 325 (2001)

Montefusco, L.B., see Casciola, G. 366 (2003)

Moral, L., see Cantero, M.J. 362 (2003) 29 Morayne, M., see Kubicki, G. 331 (2001) 193

Moreira, M.V., see Basilio, J.C. 385 (2004) 287 Móricz, F. and B.E. Rhoades, An equivalent reformulation of summability by weighted mean methods, revisited 349 (2002) 187

Moro, J., see Borobia, A. 393 (2004) 73

Moro, J., see Dopico, F.M. 309 (2000) 3 Moro, J., see Soto, R. 396 (2005) 223

Mosch, M., see Fritzsche, B. 346 (2002) 273

Mourrain, B., see Bondyfalat, D. 319 (2000) 193

Muñoz Masqué, J., see Durán Díaz, R. 364 (2003) 1

Muñoz Masqué, J., see Hernández Encinas, L. 387 (2004) 69

Müller, J., A note on applications of the 'Vector Enumerator' algorithm 365 (2003) 291

Müller-Quade, J., see Schmid, M. 306 (2000) 131

Mullhaupt, A.P. and K.S. Riedel, Low grade matrices and matrix fraction representations 342 (2002) 187

Munemasa, A., see Klin, M. 377 (2004) 83 Murota, K., see Tanaka, R. 318 (2000) 145 Muzychuk, M., see Klin, M. 377 (2004) 83

Nabben, R., see Elsner, L. 363 (2003) 65
Nagatou, K. and M.T. Nakao, An enclosure method of eigenvalues for the elliptic operator linearlized at an exact solution of nonlinear problems 324 (2001) 81

Nagarajan, K.R., M.P. Devasahayam and T. Soundararajan, Products of three triangular matrices over commutative rings 348 (2002) 1

Nagy, B., see Förster, K.-H. 363 (2003) 89 Nagy, B., see Förster, K.-H. 311 (2000) 107 Nagy, J.G., see Hanke, M. 316 (2000) 223 Nakamoto, R., see Fujii, J.I. 326 (2001) 101 Nakamoto, R., see Fujii, M. 341 (2002) 119

Nakao, M.T., see Nagatou, K. 324 (2001) 81

Nakazato, H. and P. Psarrakos, On the shape of numerical range of matrix polynomials 338 (2001) 105

Nakazato, H., see Chien, M.-T. 335 (2001) 55 Nakazato, H., see Chien, M.-T. 340 (2002) 15 Nakazato, H., see Chien, M.-T. 341 (2002) 69

Nakazato, H., see Chien, M.-T. 347 (2002) 205 Nakazato, H., see Ito, M. 370 (2003) 147

Nakazi, T., Two-dimensional O-algebras 315 (2000) 197

Nakazi, T. and T. Yamamoto, Two dimensional commutative Banach algebras and von Neumann inequality 341 (2002) 273

Nakić, I., Relative perturbation theory for a class of diagonalizable Hermitian matrix

pairs 358 (2003) 195

Nakić, I. and K. Veselić, Wielandt and Ky-Fan theorem for matrix pairs 369 (2003) 77 Nam, Y., see Cho, H.H. 332-334 (2001) 119

Nan, J. and H. You, The conjugacy classes of fixed point free elements in GL_n(F) and SL₀(F) 305 (2000) 161

Narayan, S., see Fleming, R. 306 (2000) 15 Narayan, S., see Lenker, T. 362 (2003) 177 Narayan, S.K., see Egleston, P.D. 379 (2004)

Nathanson, M., see King, C. 389 (2004) 77 Naumov, V.A., see Basharin, G.P. 386 (2004)

Navarro, R.M., see Camacho, L.M. 332-334 (2001) 371

Nedoma, J., On solving vague systems of linear equations with pattern-shaped columns 324 (2001) 107

Nedoma, J., Positively regular vague matrices 326 (2001) 85

Nemirovski, A. and U. Rothblum, On complexity of matrix scaling 302-303 (1999) 435

Neogy, S.K. and A.K. Das, Principal pivot transforms of some classes of matrices 400 (2005) 243

Neogy, S.K., see Mohan, S.R. 323 (2001) 87 Neogy, S.K., see Mohan, S.R. 338 (2001) 275 Nesterov, Y., see Blondel, V.D. 394 (2005) 91 Neubauer, M.G., see Abrego, B.M. 374 (2003)

Neudecker, H. and G. Trenkler, Third and fourth moment matrices of vec X' in multivariate analysis 354 (2002) 223

Neudecker, H., see Ghazal, G.A. 321 (2000) 61 Neudecker, H., see Klein, A. 321 (2000) 233 Neudecker, H., see van de Velden, M. 321

(2000) 347

Neumaier, A., Generalized Lyapunov-Schmidt reduction for parametrized equations at near singular points 324 (2001) 119 Neumann, M., Inverses of Perron complements of inverse M-matrices 313 (2000) 163 Neumann, M. and J. Xu, Improved bounds for a condition number for Markov chains 386 (2004) 225

Neumann, M., see Bapat, R. 385 (2004) 95 Neumann, M., see Catral, M. 393 (2004) 107 Neumann, M., see Fallat, S.M. 327 (2001) 85 Neumann, M., see Goldberger, A. 369 (2003)

Neumann, M., see Goldberger, A. 399 (2005) 245

Neumann, M., see Han, L. 363 (2003) 109 Neumann, M., see Kirkland, S.J. 316 (2000) 45 Neumann, M., see Kirkland, S.J. 341 (2002) 45 Neumann, M., see Molitierno, J.J. 362 (2003)

Neuwirth, S., see Banks, W. 362 (2003) 275 Nevmeyr, K., A geometric theory for preconditioned inverse iteration I: Extrema of the Rayleigh quotient 322 (2001) 61

Neymeyr, K., A geometric theory for preconditioned inverse iteration II: Convergence estimates 322 (2001) 87

Neymeyr, K., see Knyazev, A.V. 358 (2003) 95 Ng, M.K. and Z.-Z. Bai, A hybrid preconditioner of banded matrix approximation and alternating direction implicit iteration for symmetric Sinc-Galerkin linear systems 366 (2003) 317

Ng, M.K., K. Rost and Y.-W. Wen, On inversion of Toeplitz matrices 348 (2002) 145

Ng, M.K., R.H. Chan, T.F. Chan and A.M. Yip, Cosine transform preconditioners for high resolution image reconstruction 316 (2000)89

Ng, M.K., R.J. Plemmons and F. Pimentel, A new approach to constrained total least squares image restoration 316 (2000) 237

Ng, M.K., see Lin, F.-R. 370 (2003) 269 Ng, M.K., see Lin, F.-R. 391 (2004) 149

Ng, M.K., see Lu, L. 392 (2004) 103 Nicaise, S., see Dekoninck, B. 314 (2000) 165 Nielsen, K., see Bünger, F. 331 (2001) 31

Nielsen, K., see Knüppel, F. 375 (2003) 13 Nieslony, A. and G. Steidl, Approximate factorizations of Fourier matrices with nonequispaced knots 366 (2003) 337

Nieuwenhuis, H.J. and L. Schoonbeek, Stability of matrices with negative diagonal submatrices 353 (2002) 183

Nievergelt, Y., Fitting conics of specific types to data 378 (2004) 1

Nievergelt, Y., Hyperspheres and hyperplanes fitted seamlessly by algebraic constrained total least-squares 331 (2001) 43

Niezgoda, M., Cases of equality for certain inequalities involving a *G*-doubly stochastic map 378 (2004) 167

Niezgoda, M., Linear maps preserving group majorization 330 (2001) 113

Niezgoda, M., On lattice property of group induced cone orderings 307 (2000) 77

Niezgoda, M. and T.-Y. Tam, On the norm property of *G*(*c*)-radii and Eaton triples 336 (2001) 119

Nishizawa, M., Evaluation of a certain *q*-determinant 342 (2002) 107

Nivat, M., see Barcucci, E. 339 (2001) 3

Nivat, M., see Brunetti, S. 339 (2001) 37 Nivat, M., see Kuba, A. 339 (2001) 171

Nkiet, G.M., see Dauxois, J. 388 (2004) 119 Nobili, P., see De Simone, C. 348 (2002) 63

Nokrane, A., see Chen, Y. 308 (2000) 153 Nomura, K., Tridiagonal pairs and the Askey-

Nomura, K., Tridiagonal pairs and the Askey— Wilson relations 397 (2005) 99

Nordgren, E., see Hadwin, D. 383 (2004) 187

Nörenberg, R., From elementary calculations to Hall polynomials 365 (2003) 301

Noutsos, D., S. Serra Capizzano and P. Vassalos, Asymptotic behavior of the condition number of two-level Toeplitz matrix sequences 395 (2005) 121

Noutsos, D., see Hadjidimos, A. 364 (2003) 253

Nudel'man, A.A., see Bekker, M.B. 397 (2005)

Núñez, J., see Carriazo, A. 389 (2004) 43

Oará, C., see Ionescu, V. 328 (2001) 95 Ober, R.J., see Hanzon, B. 350 (2002) 67 Offinger, R., see Gaffke, N. 354 (2002) 119

Ogilvie, D., see McCarthy, N. 347 (2002) 219 Oishi, S., Fast enclosure of matrix eigenvalues and singular values via rounding mode con-

trolled computation 324 (2001) 133 O'Keeffe, H. and P. Fitzpatrick, Gröbner basis solutions of constrained interpolation problems 351–352 (2002) 533

Okniński, J., Semigroups of zero entropy 323 (2001) 207

Okoh, F. and F. Zorzitto, Commutative algebras of rational function matrices as endomorphisms of Kronecker modules I 374 (2003) 41

Okoh, F. and F. Zorzitto, Commutative algebras of rational function matrices as endomorphisms of Kronecker modules II 374 (2003) 63

Okoh, F. and F.A. Zorzitto, Curves arising from Kronecker modules 365 (2003) 311 Oktaç, A., Student discussions on a Linear Algebra problem in a distance-education course 379 (2004) 439

Okubo, K., On weakly unitarily invariant norm and the Aluthge transformation 371 (2003) 369

Okubo, K. and I. Spitkovsky, On the characterization of 2×2 ρ -contraction matrices 325 (2001) 177

Okubo, K., see Ito, M. 370 (2003) 147

Okubo, K., see Johnson, C.R. 323 (2001) 51 Okubo, K., see Johnson, C.R. 341 (2002) 195

Okubo, S., Symmetric triality relations and structurable algebras 396 (2005) 189

O'Leary, D.P., Scaling symmetric positive definite matrices to prescribed row sums 370 (2003) 185

O'Leary, D.P., see Mastronardi, N. 391 (2004) 203

O'Leary, D.P., see Zavorin, I. 367 (2003) 165 Olesky, D.D., A. Roy and P. van den Driessche, Maximal graphs and graphs with maximal spectral radius 346 (2002) 109

Olesky, D.D., B. Shader and P. van den Driessche, Exponents of tuples of nonnegative matrices 356 (2002) 123

Olesky, D.D., P. van den Driessche and J.H. Verner, Graphs with the same determinant as a complete graph 312 (2000) 191

Olesky, D.D., see Britz, T. 390 (2004) 47 Olesky, D.D., see Cheung, W.-S. 325 (2001) 191

Olesky, D.D., see Dame, L.F. 396 (2005) 243 Olesky, D.D., see Drew, J.H. 308 (2000) 121

Olesky, D.D., see Elsner, L. 374 (2003) 219 Olesky, D.D., see Johnson, C.R. 392 (2004) 1

Oliveira, A.R.L. and D.C. Sorensen, A new class of preconditioners for large-scale linear systems from interior point methods for linear programming 394 (2005) 1

Oliveira, C.S., N.M. Maia de Abreu and S. Jurkiewicz, The characteristic polynomial of the Laplacian of graphs in (a,b)-linear classes 356 (2002) 113

Oliveira, S. and D.E. Stewart, Exponential splittings of products of matrices and accurately computing singular values of long products 309 (2000) 175

Oliveira, V.A., M.C.M. Teixeira and L. Cossi, Stabilizing a class of time delay systems using the Hermite-Biehler theorem 369 (2003) 203

Olkiewicz, R., see Hebisch, W. 329 (2001) 89Olkin, I., The 70th anniversary of the distribution of random matrices: A survey 354 (2002) 231

Olshevsky, A. and V. Olshevsky, Kharitonov's Theorem and Bezoutians 399 (2005) 285

Olshevsky, V., see Boros, T. 302–303 (1999) 265

Olshevsky, V., see Boros, T. 343–344 (2002) 63 Olshevsky, V., see Olshevsky, A. 399 (2005) 285

Omladič, M., A variety of commuting triples 383 (2004) 233

Omladič, M. and V. Omladič, More on Restricted canonical correlations 321 (2000) 285

Omladič, M., see Bhatia, R. 383 (2004) 1 Omladič, M., see Johnson, C.R. 390 (2004) 111 Omladič, M., see Holbrook, J. 327 (2001) 131

Omladič, V., see Omladič, M. 321 (2000) 285 Omran, M.O. and W. Barrett, The real positive definite completion problem for a 4-cycle 336 (2001) 131

Ong, S.-C., see Fleming, R. 306 (2000) 15 Ongay, F., see Felipe, R. 338 (2001) 1

Oruç, H. and G.M. Phillips, Explicit factorization of the Vandermonde matrix 315 (2000) 113

O'Ryan, M. and D.B. Shapiro, Centers of higher degree forms 371 (2003) 301

Osikiewicz, B. and A. Tonge, An interpolation approach to Hardy-Littlewood inequalities for norms of operators on sequence spaces 331 (2001) 1

Ostrovskii, M.I., Minimal-volume projections of cubes and totally unimodular matrices 364 (2003) 91

Otsuka, N., Generalized controlled and conditioned invariances for linear ω-periodic discrete-time systems 327 (2001) 207

Overton, M.L., see Burke, J.V. 351–352 (2002) 117

Ovsienko, S., Strongly nilpotent matrices and Gelfand–Zetlin modules 365 (2003) 349 Owens, D.H., see Rogers, E. 353 (2002) 33

O'uchi, M., Pseudo-multiplicative unitaries associated with inclusions of finite-dimensional C*-algebras 341 (2002) 201

Özdemir, H., see Baksalary, J.K.388 (2004) 45

Öztürk, F. and F. Akdeniz, Ill-conditioning and Multicollinearity 321 (2000) 295

Packer, A., Symmetric conference matrices and locally largest regular crosspolytopes in cubes 357 (2002) 1

Palacios, J.C., see Santos, J. 339 (2001) 195Pan, C.-T., On the existence and computation of rank-revealing LU factorizations 316 (2000) 199 Pan, V.Y. and A. Zheng, Superfast algorithms for Cauchy-like matrix computations and extensions 310 (2000) 83

Pan, V.Y., Y. Rami and X. Wang, Structured matrices and Newton's iteration: unified approach 343–344 (2002) 233

Pan, V.Y., see Bondyfalat, D. 319 (2000) 193 Pan, Y.-L., Sharp upper bounds for the Laplacian graph eigenvalues 355 (2002) 287

Pan, Y.-L., see Li, J.-S. 328 (2001) 153

Panaia, O., see Longstaff, W.E. 318 (2000) 117Pang, C.-T. and S.-M. Guu, A note on the sequence of consecutive powers of a nonnegative matrix in max algebra 330 (2001) 209

Pang, C.-T., Y.-Y. Lur and S.-M. Guu, A new proof of Mayer's theorem 350 (2002) 273Pang, C.-T., see Lur, Y.-Y. 367 (2003) 37

Papendieck, B. and P. Recht, On maximal entries in the principal eigenvector of graphs 310 (2000) 129

Papini, A., see Dieci, L. 308 (2000) 183

Pappacena, C.J., Matrix pencils and a generalized Clifford algebra 313 (2000) 1

Pappacena, C.J., see Haefner, J. 347 (2002) 275 Park, C.H., see Cho, H.H. 332–334 (2001) 119 Park, S.S., see Jung, I.B. 375 (2003) 95

Parlett, B.N., The (matrix) discriminant as a determinant 355 (2002) 85

Parlett, B.N. and I.S. Dhillon, Relatively robust representations of symmetric tridiagonals 309 (2000) 121

Parlett, B.N. and O.A. Marques, An implementation of the dqds algorithm (positive case) 309 (2000) 217

Parlett, B.N., see Dhillon, I.S. 387 (2004) 1 Parra, J., see López, M.A. 357 (2002) 83

Parring, A.-M., see Fang, K.-T. 321 (2000) 27 Parthasarathy, K.R., The Bush matrix over a Galois field and error correcting quantum codes 341 (2002) 23

Parthasarathy, T., see S. Gowda, M. 320 (2000) 131

Partington, J.R., see Jacob, B. 351-352 (2002) 487

Pascasio, A.A., An inequality on the cosines of a tight distance-regular graph 325 (2001) 147Passi, I.B.S., K.W. Roggenkamp and M. Sor-

rassi, I.B.S., K.W. Roggenkamp and M. Soriano, Integral Jordan decomposition of matrices 355 (2002) 241

Pate, T.H., Extreme rays and faces for the cone of class functions non-negative on the set of Gram matrices 390 (2004) 27

Pate, T.H., see Kalantari, B. 326 (2001) 151 Patera, J., see Havliček, M. 314 (2000) 1 Pati, S., see Barik, S. 397 (2005) 209 Pati, S., see Fallat, S.M. 373 (2003) 31 Patrício, P., The Moore-Penrose inverse of a factorization 370 (2003) 227

Patrício, P., The Moore–Penrose inverse of von Neumann regular matrices over a ring 332–334 (2001) 469

Patrício, P. and R. Puystjens, About the von Neumann regularity of triangular block matrices 332–334 (2001) 485

Patrício, P. and R. Puystjens, Drazin-Moore-Penrose invertibility in rings 389 (2004) 159

Patrício, P. and R. Puystjens, Generalized invertibility in two semigroups of a ring 377 (2004) 125

Pauca, V.P., B.L. Ellerbroek, R.J. Plemmons and X. Sun, Structured matrix representations of two-parameter Hankel transforms in adaptive optics 316 (2000) 29

Pauca, V.P., see Chu, M.T. 316 (2000) 113 Paulsen, V.I., see Holmes, R.B. 377 (2004) 31 Pavon, M., see Ferrante, A. 329 (2001) 137

Pečarić, J. and J. Mićić, Some functions reversing the order of positive operators 396 (2005) 175

Pečarić, J., I. Perić and R. Roki, On bounds for weighted norms for matrices and integral operators 326 (2001) 121

Pečarić, J., see Mićić, J. 318 (2000) 87 Pečarić, J., see Mićić, J. 360 (2003) 15

Pedroche, F., see Bru, R. 393 (2004) 91

Peinado Domínguez, A., see Durán Díaz, R. 364 (2003) 1

Pelantová, E., see Havlíček, M. 314 (2000) 1 Peluso, R. and T. Politi, Some improvements for two-sided bounds on the inverse of diagonally dominant tridiagonal matrices 330 (2001) 1

Peña, J., A characterization of the distance to infeasibility under block-structured perturbations 370 (2003) 193

Peña, J.M., Characterizations and stable tests for the Routh–Hurwitz conditions and for total positivity 393 (2004) 319

Peña, J.M., Determinantal criteria for total positivity 332–334 (2001) 131

Peña, J.M., On nonsingular sign regular matrices 359 (2003) 91

Peña, M., see Compta, A. 379 (2004) 239 Peña, M., see Rojo, O. 362 (2003) 293

Peng, I. and S. Waldron, Signed frames and Hadamard products of gram matrices 347 (2002) 131

Peng, J. and Z.-B. Xu, A note on Söderlind's conjecture 367 (2003) 47

Peng, Z.-y. and X.-y. Hu, The reflexive and anti-reflexive solutions of the matrix equation AX = B 375 (2003) 147

Peng, Z.-y., X.-y. Hu and L. Zhang, On the construction of a Jacobi matrix from its mixed-type eigenpairs 362 (2003) 191

Penlidis, A., see Phatak, A. 354 (2002) 245
 Pennacchio, M., see Simoncini, V. 380 (2004)

 Perea, C., see Climent, J.-J. 302–303 (1999) 355
 Pereira, R., P. Rocha and P. Vettori, Algebraic tools for the study of quaternionic behavioral systems 400 (2005) 121

Peresi, L.A., see Correa, I. 369 (2003) 185 Peresi, L.A., see Correa, I. 396 (2005) 35

Pérez, C., see Cachafeiro, A. 369 (2003) 235Perić, I. and R. Rajić, Grüss inequality for completely bounded maps 390 (2004) 287

Perić, I., see Pečarić, J. 326 (2001) 121 Perkinson, D., see Hood, J. 381 (2004) 237 Petak, T., A pate on unitary similarity prese

Petek, T., A note on unitary similarity preserving linear mappings on *B(H)* 394 (2005) 217

Petek, T., Spectrum and commutativity preserving mappings on triangular matrices 357 (2002) 107

Petek, T. and H. Sarria, Spectrum and commutativity preserving mappings on H₂ 364 (2003) 317

Petersen, M.A. and A.C.M. Ran, Minimal nonsquare spectral factors 351–352 (2002) 553

Petersen, M.A. and A.C.M. Ran, Nonsquare spectral factors via factorizations of a unitary function 351–352 (2002) 567

Petersen, M.A., see Lerer, L. 379 (2004) 159 Peterson, C., see Arapura, D. 384 (2004) 1 Petkov, P., see Konstantinov, M. 312 (2000) 35 Petkov, P., see Konstantinov, M. 359 (2003)

Petkovšek, M., see Magajna, B. 377 (2004) 181 Petriu, D.C. and C.M. Woodside, Approximate mean value analysis based on Markov chain aggregation by composition 386 (2004) 335

Petronilho, J., see da Fonseca, C.M. 325 (2001)

Petrović, M., B. Borovićanin and A. Torgašev, On graphs with at most three Laplacian eigenvalues greater than or equal to two 380 (2004) 173

Phatak, A., P.M. Reilly and A. Penlidis, The asymptotic variance of the univariate PLS estimator 354 (2002) 245

Phillips, D.P., Some partial inverse eigenvalue problems: recovering diagonal entries of symmetric matrices 380 (2004) 263

Phillips, G.M., see Oruc, H. 315 (2000) 113 Piñar, M.A., see Yakhlef, H.O. 336 (2001) 231 Picci, G., see Ferrante, A. 351–352 (2002) 219 Pidkowich, B.A.F., see Farenick, D.R. 371 (2003)75

Piepmeyer, G.G., see Horn, R.A. 361 (2003) 99 Pierce, S., see Barrett, W. 368 (2003) 129

Pihlak, M., Matrix integral 388 (2004) 315 Pimentel, F., see Ng. M.K. 316 (2000) 237

Pinar, M.C. and O. Arikan, On robust solutions to linear least squares problems affected by data uncertainty and implementation errors with application to stochastic signal modeling 391 (2004) 223

Pinkus, A., see Atzmon, A. 372 (2003) 305 Pinto, R., see Fornasini, E. 392 (2004) 119 Pinzani, R., see Barcucci, E. 339 (2001) 3 Pinzani, R., see Ferrari, L. 348 (2002) 231 Pinzoni, S., see Ferrante, A. 329 (2001) 137 Pinzoni, S., see Ferrante, A. 351-352 (2002)

Pisón-Casares, P. and A. Vigneron-Tenorio, N-solutions to linear systems over Z 384

Pisanski, T., see Bıyıkoğlu, T. 390 (2004) 155 Pittenger, A.O., Unextendible product bases and the construction of inseparable states 359 (2003) 235

Pittenger, A.O. and M.H. Rubin, Convexity and the separability problem of quantum mechanical density matrices 346 (2002) 47

Pittenger, A.O. and M.H. Rubin, Mutually unbiased bases, generalized spin matrices and separability 390 (2004) 255

Plateau, B., see Benoit, A. 386 (2004) 111 Plávka, J., see Gavalec, M. 371 (2003) 241

Plemmons, R.J., see Catral, M. 393 (2004) 107 Plemmons, R.J., see Chu, M.T. 316 (2000) 113

Plemmons, R.J., see Chu, M.T. 366 (2003)

Plemmons, R.J., see Ng. M.K. 316 (2000) 237 Plemmons, R.J., see Pauca, V.P. 316 (2000) 29 Plestenjak, B., see Hochstenbach, M.E. 375 (2003)63

Plestenjak, B., see Košir, T. 342 (2002) 133 Plonka, G. and M. Tasche, Fast and numerically stable algorithms for discrete cosine transforms 394 (2005) 309

Plum, M., Computer-assisted enclosure methods for elliptic differential equations 324 (2001) 147

Politi, T., see Chu, M. 389 (2004) 215 Politi, T., see Peluso, R. 330 (2001) 1

Pollatsek, H. and M.B. Ruskai, Permutationally invariant codes for quantum error correction 392 (2004) 255

Polo, B., see Durán, A.J. 355 (2002) 119 Poon, E., see Li, C.-K. 325 (2001) 141 Poon, Y.-T., see Li, C.-K. 323 (2001) 131

Poon, Y.-T., see Li, C.-K. 400 (2005) 291

Popa, C., Extension of an approximate orthogonalization algorithm to arbitrary rectangular matrices 331 (2001) 181

Popescu. G., Meromorphic interpolation in several variables 357 (2002) 173

Poplin, P.L. and R.E. Hartwig, Determinantal identities over commutative semirings 387 (2004)99

Popov, A.B., see Arlinskii, Yu.M. 370 (2003)

Portier, N., see Blondel, V.D. 351-352 (2002) 91

Portier, N., see Koiran, P. 378 (2004) 99

Potter, L.C., see Rajagopal, R. 397 (2005) 1 Potts, D., Fast algorithms for discrete polyno-

mial transforms on arbitrary grids 366 (2003)353

Pournaki, M.R., On the orthogonal basis of the symmetry classes of tensors associated with certain characters 336 (2001) 255

Pournaki, M.R., see Bessenrodt, C. 370 (2003)

Powell, J.A., I. Slapničar and W. van der Werf, Epidemic spread of a lesion-forming plant pathogen-analysis of a mechanistic model with infinite age structure 398 (2005) 117

Prájiturá, G.T., When is Hyperlat T = Hyperlat f(T) in finite dimension? 357 (2002) 209 Prätzel-Wolters, D., see Feldmann, S. 371 (2003) 125

Prätzel-Wolters, D., see Bracke, M. 347 (2002)

Prasad, K.M., see Hartwig, R.E. 305 (2000) 47 Prells, U., see Garvey, S.D. 385 (2004) 335

Prokip, V., On similarity of matrices over commutative rings 399 (2005) 225

Prophet, M.P., see Chalmers, B.L. 375 (2003)

Proudler, I.K., see Bunch, J.R. 361 (2003) 133 Pruneda, R.E., see Castillo, E. 346 (2002) 131 Przybylska. M., On matrix differential equations and abstract FG algorithm 346 (2002) 155

Psarrakos, P., see Chien, M.-T. 347 (2002) 205 Psarrakos, P., see Kalogeropoulos, G. 385 (2004) 117

Psarrakos, P., see Maroulas, J. 304 (2000) 131 Psarrakos, P., see Nakazato, H. 338 (2001) 105 Psarrakos, P.J., Numerical range of linear pencils 317 (2000) 127

Psarrakos, P.J. and M.J. Tsatsomeros, A primer of Perron-Frobenius theory for matrix

polynomials 393 (2004) 333

Psarrakos, P.J. and M.J. Tsatsomeros. The Perron eigenspace of nonnegative almost skew-symmetric matrices and Levinger's transformation 360 (2003) 43

Psarrakos, P.J., see Farenick, D.R. 341 (2002) 57

Psarrakos, P.J., see Kirkland, S. 323 (2001) 37 Psarrakos, P.J., see Maroulas, J. 348 (2002) 49 Pták, V., A remark on the Jordan normal form of matrices 310 (2000) 5

Pták, V., Circumstances of the submission of my paper in 1956 310 (2000) 19

Pták, V., see Van Barel, M. 332–334 (2001) 583 Puente, R., see Jaume, D.A. 380 (2004) 135

Puerta, F., Conference report: 8th ILAS Conference in Barcelona 332–334 (2001) 607

Puerta, F. and X. Puerta, On the geometry of the set of controllability subspaces of a pair (A, B) 351–352 (2002) 585

Puerta, F., X. Puerta and I. Zaballa, A cellular decomposition of the manifold of observable conditioned invariant subspaces 351– 352 (2002) 601

Puerta, F., X. Puerta and S. Tarragona, Versal deformations in orbit spaces 379 (2004) 329

Puerta, F., see Compta, A. 361 (2003) 181 Puerta, F., see Ferrer, J. 332–334 (2001) 569 Puerta, F., see Puerta, X. 346 (2002) 27

Puerta, X., F. Puerta and J. Ferrer, Global reduction to the Kronecker canonical form of a C^r-family of time-invariant linear systems 346 (2002) 27

Puerta, X., see Clotet, J. 355 (2002) 223

Puerta, X., see Puerta, F. 351–352 (2002) 585 Puerta, X., see Puerta, F. 351–352 (2002) 601 Puerta, X., see Puerta, F. 379 (2004) 329

Pugliese, P., On the normal matrix of the polynomial LS problem over the Chebyshev points 378 (2004) 61

Puntanen, S., see Groß, J. 321 (2000) 131

Puystjens, R. and M.C. Gouveia, Drazin invertibility for matrices over an arbitrary ring 385 (2004) 105

Puystjens, R., see Patricio, P. 377 (2004) 125 Puystjens, R., see Patricio, P. 389 (2004) 159 Puystjens, R., see Patricio, P. 332–334 (2001)

485 Pye, W.C., see Ding, J. 331 (2001) 11 Pyo, S.-S., see Hwang, S.-G. 330 (2001) 25 Pyo, S.-S., see Hwang, S.-G. 332–334 (2001) 15 Pyo, S.-S., see Hwang, S.-G. 379 (2004) 77

Qiao, S., see Bojanczyk, A. 316 (2000) 183 Qiao, S., see Luk, F.T. 316 (2000) 171 Qiu, L. and T. Chen, Unitary dilation approach to contractive matrix completion

379 (2004) 345 Qiu, L., see Wang G-r. 345 (2002) 1 Quadrat, J.-P., see Cohen, G. 379 (2004) 395 Queffèlec, H., see Finet, C. 377 (2004) 1 Queireo, J.F., see Martins, R.A. 361 (2003) 245 Quessette, F., see Fourneau, J.M. 386 (2004) 167

Rabanovich, V., Every matrix is a linear combination of three idempotents 390 (2004) 137
 Rabanovich, V., see Kruglyak, S. 370 (2003)

Rabinovich, V.S., see Lindner, M. 390 (2004)

Rachidi, M., see Ben Taher, R. 330 (2001) 15
Rachidi, M., see Ben Taher, R. 350 (2002) 171
Rachidi, M., see Ben Taher, R. 370 (2003) 341
Rada, J., Characteristic polynomial of catacondensed systems 367 (2003) 243

Rada, J. and A. Tineo, Polygonal chains with minimal energy 372 (2003) 333

Radjabalipour, M., Additive mappings on von Neumann algebras preserving absolute values 368 (2003) 229

Radjabalipour, M., K. Seddighi and Y. Taghavi, Additive mappings on operator algebras preserving absolute values 327 (2001) 197

Radjabalipour, M., P. Rosenthal and B.R. Yahaghi, Burnside's theorem for matrix rings over division rings 383 (2004) 29

Radjavi, H., see Drnovšek, R. 347 (2002) 91 Radjavi, H., see Drnovšek, R. 305 (2000) 67 Radjavi, H., see Fillmore, P.A. 350 (2002) 185 Ragni, S., see Chu, M. 389 (2004) 215

Raissouli, M. and A. Kacha, Convergence of matrix continued fractions 320 (2000) 115 Raïssouli, M. and F. Leazizi, Continued frac-

Raissouli, M. and F. Leazizi, Continued fraction expansion of the geometric matrix mean and applications 359 (2003) 37

Rajagopal, R. and L.C. Potter, A generic effective Nullstellensatz 397 (2005) 1

Rajeshwari, K.N., K. Santaram and P.K. Sharma, A note on feedback cyclicity of C[Y] 320 (2000) 1

Rajić, R., see Perić, I. 390 (2004) 287

Rakočević, V. and Y. Wei, A weighted Drazin inverse and applications 350 (2002) 25

Rakočević, V., see Koliha, J.J. 388 (2004) 279Ralha, R., One-sided reduction to bidiagonal form 358 (2003) 219

Rami, Y., see Pan, V.Y. 343–344 (2002) 233 Ramlau, R., see Hansen, O. 391 (2004) 125

Ran, A.C.M. and M.C.B. Reurings, A nonlinear matrix equation connected to interpolation theory 379 (2004) 289

Ran, A.C.M. and M.C.B. Reurings, On the nonlinear matrix equation $X + A^* \mathcal{F}$ (X)A = Q: solutions and perturbation theory 346 (2002) 15

Ran, A.C.M., see Bart, H. 399 (2005) 203 Ran, A.C.M., see Lerer, L. 379 (2004) 159 Ran, A.C.M., see Petersen, M.A. 351-352 (2002) 553

Ran, A.C.M., see Petersen, M.A. 351–352 (2002) 567

Ran, A.C.M., see van der Mee, C.V.M. 302– 303 (1999) 77

Ranilla, J., see Alonso, P. 332–334 (2001) 111 Ranilla, J., see Alonso, P. 393 (2004) 3

Ransford, T., see Chen, Y. 308 (2000) 153

Ransford, T., see Langlois, Y. 349 (2002) 193 Rao, B., see Hall, F.J. 393 (2004) 233

Rao, C.R., Statistical proofs of some matrix inequalities 321 (2000) 307

Ratcliffe, J.G., see Johnson, N.W. 345 (2002) 119

Ravi, M.S., J. Rosenthal and U. Helmke, Output feedback invariants 351–352 (2002) 623

Ravindran, G., see Gowda, M.S. 370 (2003) 355

Raydan, M., see Tarazaga, P. 328 (2001) 57 Read, T., see Curgus, B. 329 (2001) 97

Reams, R., see Johnson, C.R. 306 (2000) 203

Reams, R., see Johnson, C.R. 323 (2001) 51 Reams, R., see Johnson, C.R. 395 (2005) 275

Recht, L., see Mata-Lorenzo, L.E. 315 (2000)

Recht, P., see Papendieck, B. 310 (2000) 129 Redivo Zaglia, M., see Brezinski, C. 368 (2003)

Redivo-Zaglia, M., see Brezinski, C. 389 (2004) 189

Redondo, M.J., see Gatica, M.A. 365 (2003) 169

Ree, S., see Koh, Y. 373 (2003) 183

Reichel, L., see Calvetti, D. 302-303 (1999) 331

Reichel, L., see Calvetti, D. 316 (2000) 157

Reichel, L., see Calvetti, D. 362 (2003) 257 Reichel, L., see Calvetti, D. 366 (2003) 99

Reifegerste, A., see Bessenrodt, C. 370 (2003)

Reilly, P.M., see Phatak, A. 354 (2002) 245 Reiner, V., see Christianson, H. 349 (2002)

233 Remm, E. and M. Goze, Affine structures on

abelian Lie groups 360 (2003) 215 Ren, B. and D.J. Meng, Some 2-step nilpotent

Lie algebras I 338 (2001) 77 Ren, F.-G., H.-K. Du and H.-x. Cao, The intersection of the spectra of operator comple-

tions 371 (2003) 103
Ren, G., Y. Shi and Y. Wang, Asymptotic behavior of solutions of perturbed linear difference systems 395 (2005) 283

Renaud, P.F., A matrix formulation of Grüss inequality 335 (2001) 95

Resta, G. and G. Sburlati, On the number of different permanents of some sparse (0,1)circulant matrices 375 (2003) 197

Resta, G., see Codenotti, B. 355 (2002) 15 Reurings, M.C.B., see Ran, A.C.M. 346 (2002)

Reurings, M.C.B., see Ran, A.C.M. 379 (2004) 289

Reyes, C., see Labra, A. 400 (2005) 91

Reyes, E., R.H. Villarreal and L. Zárate, A note on affine toric varieties 318 (2000) 173Reyes, J., see Gómez, J.R. 335 (2001) 119Rhoades, B.E., see Móricz, F. 349 (2002) 187

Rhofir, K., see Bahi, J.M. 332–334 (2001) 181 Ribando, J.M., see Chalmers, B.L. 375 (2003) 157

Ricard, E., see Banks, W. 362 (2003) 275 Ricker, W.J., see Baur, F. 319 (2000) 103

Rieck, M.Q., Maximal orthogonality and pseudo-orthogonality with applications to generalized inverses 315 (2000) 155

Riedel, K.S., see Mullhaupt, A.P. 342 (2002) 187

Rihm, R., Acceleration of iteration methods for interval fixed point problems 324 (2001) 189

Rim, S.-H., see Cheon, G.-S. 373 (2003) 211 Rim, S.-H., see Cheon, G.-S. 373 (2003) 89

Rim, S.-H., see Song, S.-Z. 373 (2003) 197

Rioual, J.C., see Braconnier, T. 309 (2000) 307 Robbé, M. and M. Sadkane, A priori error bounds on invariant subspace approximations by block Krylov subspaces 350 (2002) 89

Robbin, J.W. and D.A. Salamon, The exponential Vandermonde matrix 317 (2000) 225

Robertson, L.C., see Liu, G. 307 (2000) 183 Robertson, L.C., see Liu, G. 362 (2003) 201

Robinson, A.C. and D.W. Robinson, A best approximation evaluation of a finite element calculation 302–303 (1999) 367

Robinson, D.W., Outer inverses of matrices 348 (2002) 247

Robinson, D.W., see Robinson, A.C. 302-303 (1999) 367

Roca, A. and I. Zaballa, Invariant factor assignment under state feedback and output injection 332–334 (2001) 401

Roca, A. and I. Zaballa, Feedback invariants via output injection 385 (2004) 407

Rocci, R., see ten Berge, J.M.F. 388 (2004) 363 Roch, S., see Lindner, M. 390 (2004) 19

Rocha, P., see Pereira, R. 400 (2005) 121

Rodellar, J., see Bakule, L. 332–334 (2001) 381 Rodman, L. and I.M. Spitkovsky, 3 × 3 matrices with a flat portion on the boundary of the numerical range 397 (2005) 193 Rodman, L. and P. Šemrl, Linear preservers of minimal rank 310 (2000) 73

Rodman, L., see Alpay, D. 351-352 (2002) 27 Rodman, L., see Bart, H. 385 (2004) 7

Rodman, L., see Bolotnikov, V. 301 (1999) 187 Rodman, L., see Bolotnikov, V. 328 (2001) 69

Rodman, L., see Bolotnikov, V. 349 (2002) 265 Rodman, L., see Bolotnikov, V. 367 (2003) 271

Rodman, L., see Bolotnikov, V. 385 (2004) 215 Rodman, L., see Gekhtman, M.I. 308 (2000) 1

Rodman, L., see Lerer, L. 302–303 (1999) 105 Rodman, L., see Lewkowicz, I. 396 (2005) 329

Rodman, L., see Lewkowicz, I. 396 (2005) 329 Rodman, L., see Li, C.-K. 357 (2002) 197

Rodman, L., see Li, C.-K. 400 (2005) 203

Rodman, L., see Mehl, C. 336 (2001) 71 Rodman, L., see Mehl, C. 349 (2002) 55

Rodman, L., see Well, C. 349 (2002) 35 Rodman, L., see van der Mee, C.V.M. 302–303 (1999) 77

Rodriguez, G., see van der Mee, C.V.M. 343-344 (2002) 355

Rodriguez, G., *see* van der Mee, C.V.M. 366 (2003) 459

Rodríguez, J.A., A spectral approach to the Randić index 400 (2005) 339

Rodríguez, M.M.L., see Goberna, M.A. 360 (2003) 151

Rogers, E. and D.H. Owens, Kronecker product based stability tests and performance bounds for a class of 2D continuous-discrete linear systems 353 (2002) 33

Roggenkamp, K.W., see Passi, 1.B.S. 355 (2002) 241

Rognes, Ø. and X.-C. Tai, Subspace correction methods for nonsymmetric parabolic problems 332–334 (2001) 205

Röhrle, G., see Hille, L. 365 (2003) 239 Rojo, H., see Rojo, O. 312 (2000) 155

Rojo, H., see Rojo, O. 381 (2004) 97 Rojo, H., see Rojo, O. 392 (2004) 211

Rojo, O., The spectrum of the Laplacian matrix of a balanced binary tree 349 (2002) 203

Rojo, O. and H. Rojo, A decreasing sequence of upper bounds on the largest Laplacian eigenvalue of a graph 381 (2004) 97

Rojo, O. and H. Rojo, Some results on symmetric circulant matrices and on symmetric centrosymmetric matrices 392 (2004) 211

Rojo, O. and M. Peña, A note on the integer eigenvalues of the Laplacian matrix of a balanced binary tree 362 (2003) 293

Rojo, O. and R.L. Soto, Existence and construction of nonnegative matrices with complex spectrum 368 (2003) 53

Rojo, O., R. Soto and H. Rojo, An always nontrivial upper bound for Laplacian graph eigenvalues 312 (2000) 155

Roki, R., see Pečarić, J. 326 (2001) 121

Romain, Y., see Dauxois, J. 388 (2004) 119 Romani, F., see Favati, P. 318 (2000) 209

Romeo, M. and P. Tilli, On some variational problems in the theory of unitarily invariant norms and Hadamard products 326 (2001) 161

Romero, S., see Bru, R. 310 (2000) 49

Roorda, B. and S. Weiland, Optimal angle reduction—a behavioral approach to linear system approximation 337 (2001) 189

Rosales, J.C. and J.I. García-García, Primary ideals of finitely generated commutative cancellative monoids 336 (2001) 219

Rosales, J.C., see Chapman, S.T. 336 (2001) 191

Rosenthal, J., see Ravi, M.S. 351-352 (2002) 623

Rosenthal, P., see Bhatia, R. 383 (2004) 1 Rosenthal, P., see Drnovšek, R. 347 (2002)

Rosenthal, P., see Lomonosov, V. 383 (2004) 45

Rosenthal, P., see Radjabalipour, M. 383 (2004) 29

Ross Barmish, B., see Ganesan, A. 390 (2004) 61

Ross, S.R., see Ganesan, A. 390 (2004) 61 Rossell, J.M., see Bakule, L. 332–334 (2001)

Rost, K., see Heinig, G. 343-344 (2002) 195

Rost, K., see Heinig, G. 366 (2003) 257 Rost, K., see Heinig, G. 392 (2004) 235

Rost, K., see Ng, M.K. 348 (2002) 145

Rothblum, U., see Nemirovski, A. 302-303 (1999) 435

Rötteler, M., see Schmid, M. 306 (2000) 131 Roush, F.W., see Kim, K.H. 379 (2004) 457

Rovnyak, J. and L.A. Sakhnovich, Some indefinite cases of spectral problems for canonical systems of difference equations 343–344 (2002) 267

Rowlinson, P. and P.S. Jackson, Star complements and switching in graphs 356 (2002)

Rowlinson, P., see Cvetković, D. 356 (2002) 37 Rowlinson, P., see Cvetković, D. 301 (1999) 81 Roy, A., see Olesky, D.D. 346 (2002) 109

Roy, S., see Baribeau, L. 320 (2000) 183

Rózsa, P., see Farkas, A. 302–303 (1999) 423 Rózsa, P., see Farkas, A. 385 (2004) 443

Rubin, M.H., see Pittenger, A.O. 346 (2002)

Rubin, M.H., see Pittenger, A.O. 390 (2004)

Ruiz, F.G., see Golasiński, M. 355 (2002) 161Rukhin, A.L., Pattern correlation matricesand their properties 327 (2001) 105

Rump, S.M., Computational error bounds for multiple or nearly multiple eigenvalues 324 (2001) 209

Rump, S.M., Self-validating methods 324 (2001) 3

Rump, S.M., On P-matrices 363 (2003) 237Rump, S.M., Perron–Frobenius theory for complex matrices 363 (2003) 251

Ruskai, M.B., S. Szarek and E. Werner, An analysis of completely-positive trace-preserving maps on M₂ 347 (2002) 159

Ruskai, M.B., see Pollatsek, H. 392 (2004) 255

Sadkane, M., see Godunov, S.K. 358 (2003) 173

Sadkane, M., see Malyshev, A. 371 (2003) 315Sadkane, M., see Malyshev, A.N. 378 (2004) 283

Sadkane, M., see Robbé, M. 350 (2002) 89

Saiago, C.M., see Johnson, C.R. 363 (2003) 147

Saiago, C.M., see Johnson, C.R. 373 (2003) 311

Sakhnovich, A., Szegő limits for infinite Toeplitz matrices determined by the Taylor series of two rational functions 343–344 (2002) 291

Sakhnovich, L.A., Extremal trigonometric and power polynomials in several variables 389 (2004) 283

Sakhnovich, L.A., see Rovnyak, J. 343-344 (2002) 267

Saks, M., see Condon, A. 381 (2004) 61

Saks, M., see Lovász, L. 313 (2000) 101 Salam, A., On vector Hankel determinants 313

Salam, A., On vector Hankel determinants 313 (2000) 127

Salamon, D.A., see Robbin, J.W. 317 (2000) 225

Salemi, A., see Davis, Ch. 383 (2004) 151 Salerno, N., see Eisinberg, A. 338 (2001) 27 Samoilenko, Y., see Kruglyak, S. 370 (2003)

217
San Martín, J., see Bellacherie, C. 318 (2000) 1

Sánchez, E., see Bru, R. 310 (2000) 49 Sánchez, E., see Bru, R. 349 (2002) 1

Sánchez-Giralda, T., see Carriegos, M. 346 (2002) 97

Sanders, W.H., see Derisavi, S. 386 (2004) 137
 Sandovici, A., H. de Snoo and H. Winkler,
 The structure of linear relations in Euclidean spaces 397 (2005) 141

Santaram, K., see Rajeshwari, K.N. 320 (2000)

Santos, J., L.C. Longoria and J.C. Palacios, Detection of flaws in construction columns using 3D reconstruction and manipulation 339 (2001) 195 Santos, R., see Bhaya, A. 374 (2003) 159 Sarma, B.K., see Beasley, L.B. 399 (2005) 3 Sarria, H., see Petek, T. 364 (2003) 317

Satnoianu, R.A. and P. van den Driessche, Some remarks on matrix stability with application to Turing instability 398 (2005) 69

Sato, I., see Mizuno, H. 336 (2001) 181 Sato, I., see Mizuno, H. 355 (2002) 35

Saunders, B.D., see Chen, L. 343-344 (2002)

Savchenko, S.V.. On the change of the Jordan form under the transition from the adjacency matrix of a vertex-transitive digraph to its principal submatrix of co-order one 394 (2005) 225

Savchenko, S.V., On the Perron roots of principal submatrices of co-order one of irreducible nonnegative matrices 361 (2003) 257

Savchenko, S.V., Principal submatrices of coorder one with the biggest Perron root 389 (2004) 1

Savova, M., see Caston, L. 322 (2001) 129 Savytska, N., see Choi, Y.S. 357 (2002) 217 Sayed, A.H., see Constantinescu, T. 343–344

(2002) 147 Sburlati, G., see Resta, G. 375 (2003) 197 Šemrl, P., see Rodman, L. 310 (2000) 73

Schäfer, U., A new subclass of P-matrices 393 (2004) 353

Schaefer, M., see Krafft, O. 306 (2000) 145Scherer, C.W., Structured finite-dimensional controller design by convex optimization 351–352 (2002) 639

Schmale, W. and P.K. Sharma, Cyclizable matrix pairs over $\mathbb{C}[x]$ and a conjecture on Töplitz pencils 389 (2004) 33

Schmale, W., see Brewer, J. 301 (1999) 63

Schmid, M., R. Steinwandt, J. Müller-Quade, M. Rötteler and T. Beth, Decomposing a matrix into circulant and diagonal factors 306 (2000) 131

Schmidt, D., Construction of the Jordan decomposition by means of Newton's method 314 (2000) 75

Schmoeger, C., On the operator equation $e^A = e^B 359 (2003) 169$

Schnabel, U., see Schwetlick, H. 371 (2003) 1 Schneeweiss, H., see Kukush, A. 388 (2004) 289

Schneid, J., see Karner, H. 367 (2003) 301

Schneider, H., Helmut Wielandt (19 December 1910–14 February 2001) – A personal memoir 353 (2002) 1

Schneider, H., Introduction to a group of articles in tribute to Vlastimil Pták 310 (2000) 1

Schneider, H., Wielandt's proof of the exponent inequality for primitive nonnegative matrices 353 (2002) 5

Schneider, H., see Elsner, L. 363 (2003) 65 Schneider, H., see Holtz, O. 345 (2002) 263

Schneider, H., see Li, C.-K. 347 (2002) 115

Schneider, H., see Seidman, T.I. 399 (2005) 169 Schneider, H., see Tam, B.-S. 363 (2003) 295

Schoonbeek, L., see Nieuwenhuis, H.J. 353 (2002) 183

Schrijver, A., see Lovász, L. 313 (2000) 101 Schütte, C., see Meerbach, E. 398 (2005) 141

Schütte, Ch., see Deuflhard, P. 315 (2000) 39 Schumacher, I.M., see Camlibel, M.K. 351-

Schumacher, J.M., see Çamlıbel, M.K. 351–352 (2002) 147

Schumacher, J.M., see Başer, U. 318 (2000) 53 Schwetlick, H. and U. Schnabel, Iterative computation of the smallest singular value and the corresponding singular vectors of a matrix 371 (2003) 1

Schwingenschlögl, U., see Drton, M. 378 (2004) 71

Sciriha, I., Polynomial reconstruction and terminal vertices 356 (2002) 145

Sciriha, I., see Fiorini, S. 397 (2005) 245 Seatzu, S., see van der Mee, C.V.M. 343–344

(2002) 355 Seatzu, S., see van der Mee, C.V.M. 366 (2003)

Seatzu, S., see van der Mee, C.V.M. 366 (2003) 459

Seberry, J., T. Xia, C. Koukouvinos and M. Mitrouli, The maximal determinant and subdeterminants of ±1 matrices 373 (2003) 297

Seberry, J., see Koukouvinos, C. 306 (2000) 189

Seberry, J., see Koukouvinos, C. 330 (2001) 129

Seberry, J., see Koukouvinos, C. 371 (2003)

Seddighi, K., see Radjabalipour, M. 327 (2001) 197

Seddik, A., On some operator norm inequalities 389 (2004) 183

Seddik, A., The numerical range of elementary operators II 338 (2001) 239

Seeger, A. and M. Torki, On eigenvalues induced by a cone constraint 372 (2003) 181

Seidman, T.I., H. Schneider and M. Arav, Comparison theorems using general cones for norms of iteration matrices 399 (2005) 169

Semrl, P., Hua's fundamental theorems of the geometry of matrices and related results 361 (2003) 161

Semrl, P., see Bhatia, R. 383 (2004) 1

Šemrl, P., see Chooi, W.L. 367 (2003) 105

Šemrl, P., see Dolinar, G. 348 (2002) 189

Šemrl, P., see Drnovšek, R. 305 (2000) 67 Šemrl, P., see Guterman, A. 315 (2000) 61

Šemrl, P., see Li, C.-K. 357 (2002) 197

Šemrl, P., see Meshulam, R. 383 (2004) 143 Sendov, H.S., see Lewis, A.S. 340 (2002) 97

Sengupta, D., On the Kalman filter with possibly degenerate and correlated errors 388 (2004) 327

Seo, Y., Specht's ratio and complementary inequalities to Golden-Thompson type inequalities on the Hadamard product 320 (2000) 15

Seo, Y., see Fujii, J.I. 326 (2001) 101

Seo, Y., see Fujii, J.I. 377 (2004) 69

Seo, Y., see Micić, J. 360 (2003) 15

Seo, Y., see Mićić, J. 318 (2000) 87 Sepanski, M.R., see Barchini, L. 340 (2002)

123 Sergeichuk, V.V., Canonical matrices for line-

ar matrix problems 317 (2000) 53

Sergeichuk, V.V., Computation of canonical matrices for chains and cycles of linear mappings 376 (2004) 235

Sergeichuk, V.V., see Belitskii, G.R. 361 (2003) 203

Sergeichuk, V.V., see Brüstle, T. 365 (2003)

Sergeichuk, V.V., see Gaiduk, T.N. 380 (2004) 241

Sergeichuk, V.V., see Garcia-Planas, M.I. 302–303 (1999) 45

Sergeichuk, V.V., see Garcia-Planas, M.I. 332– 334 (2001) 165

Sergeichuk, V.V., see Horn, R.A. 389 (2004) 347

Serra Capizzano, S., Distribution results on the algebra generated by Toeplitz sequences: a finite-dimensional approach 328 (2001) 121

Serra Capizzano, S., Spectral behavior of matrix sequences and discretized boundary value problems 337 (2001) 37

Serra Capizzano, S., Generalized locally Toeplitz sequences: spectral analysis and applications to discretized partial differential equations 366 (2003) 371

Serra Capizzano, S., Matrix algebra preconditioners for multilevel Toeplitz matrices are not superlinear 343–344 (2002) 303

Serra Capizzano, S. and C. Tablino Possio, Analysis of preconditioning strategies for collocation linear systems 369 (2003) 41

Serra Capizzano, S., see Noutsos, D. 395 (2005) 121

Sethuraman, B.A., see Guralnick, R.M. 310 (2000) 139

Sgura, I., see Chu, M.T. 379 (2004) 85

Sgura, I., see Diele, F. 366 (2003) 199

Shader, B., see Olesky, D.D. 356 (2002) 123 Shader, B., see Stuart, J.L. 346 (2002) 261

Shader, B.L., Set-systems with signed solutions 361 (2003) 121

Shader, B.L. and S. Suwilo, Exponents of nonnegative matrix pairs 363 (2003) 275

Shader, B.L., see Cheon, G.-S. 306 (2000) 33 Shader, B.L., see Cheon, G.-S. 364 (2003) 223

Shader, B.L., see Cheon, G.-S. 364 (2003) 225 Shader, B.L., see Cheon, G.-S. 373 (2003) 211

Shader, B.L., see Choi, G.-S. 395 (2005) 303 Shader, B.L., see Eschenbach, C. 306 (2000)

Shader, B.L., see Kim, S.-J. 313 (2000) 21

Shader, B.L., see Kim, S.-J. 353 (2002) 245 Shader, B.L., see Kirkland, S.J. 341 (2002) 45

Shaked, U., see Fridman, E. 351–352 (2002) 271

Shan, H.-Y. and J.-Y. Shao, Matrices with totally signed powers 376 (2004) 215

Shan, H.-Y., see Shao, J.-Y. 322 (2001) 105 Shan, H.-Y., see Shao, J.-Y. 345 (2002) 43

Shan, H.-Y., see Shao, J.-Y. 373 (2003) 223 Shan, H.-Y., see Shao, J.-Y. 395 (2005) 211

Shan, H.-Y., see Shao, J.-Y. 395 (2005) 229

Shao, J.-Y., On the digraphs of sign solvable linear systems 313 (2000) 115

Shao, J.-Y. and H.-Y. Shan, Matrices with signed generalized inverses 322 (2001) 105

Shao, J.-Y. and H.-Y. Shan, The determinantal regions of complex sign pattern matrices and ray pattern matrices 395 (2005) 211

Shao, J.-Y. and H.-Y. Shan, The solution of a problem on matrices having signed generalized inverses 345 (2002) 43

Shao, J.-Y. and J.-L. He, Matrices with doubly signed generalized inverses 355 (2002) 71

Shao, J.-Y. and S.-G. Hwang, Nearly L-matrices and generalized row sign balanced matrices 317 (2000) 41

Shao, J.-Y. and Z.-X. Hu, Algebraic constructions of the minimal forbidden digraphs of strong sign nonsingular matrices 317 (2000) 1

Shao, J.-Y., H.-Y. Shan and L.-H. You, Ray solvable linear systems and ray S²NS matrices 395 (2005) 229

Shao, J.-Y., J.-L. He and H.-Y. Shan, Number of nonzero entries of S²NS matrices and matrices with signed generalized inverses 373 (2003) 223

Shao, J.-Y., see Shan, H.-Y. 376 (2004) 215 Shao, J.-Y., see Xu, G.-H. 376 (2004) 187

Shao, Y. and Y. Gao, Sign patterns that allow diagonalizability 359 (2003) 113

Shao, Y., L. Sun and Y. Gao, Inertia sets of two classes of symmetric sign patterns 384 (2004) 85 Shapiro, D.B., see O'Ryan, M. 371 (2003) 301 Sharma, P.K., see Rajeshwari, K.N. 320 (2000)

Sharma, P.K., see Schmale, W. 389 (2004) 33 She, Y. and P. Hao, On the necessity and sufficiency of *PLUS* factorizations 400 (2005) 193

Shen, J., On the singular values of Gaussian random matrices 326 (2001) 1

Shen, J., Compactification of a set of matrices with convergent infinite products 311 (2000) 177

Shen, J. and C.J. Wyels, On the number of arcs in primitive digraphs with large exponents 364 (2003) 243

Shen, L., see Chan, R.H. 366 (2003) 139 Shen, S.-Q., see Huang, T.-Z. 396 (2005) 81

Shen, Z., see Chan, R.H. 366 (2003) 139

Sherstnev, A.N., Two-dimensional reductions of the cone of positive diagonal operators in ℓ^2 370 (2003) 375

Shi, N.-Z., see Lu, C.-Y. 354 (2002) 187

Shi, Y., On the rank of the matrix radius of the limiting set for a singular linear Hamiltonian system 376 (2004) 109

Shi, Y. and S. Chen, Spectral theory of higherorder discrete vector Sturm-Liouville problems 323 (2001) 7

Shi, Y., see Ren, G. 395 (2005) 283

Shih, M.-H., König chain for compact matrix sets 330 (2001) 205

Shih, M.-H., see Li, Y.-C. 341 (2002) 369 Shogenji, Y., see Chen, X. 324 (2001) 15

Shorten, R., see Berman, A. 393 (2004) 47 Shu, J. and Y. Wu, Sharp upper bounds on the spectral radius of graphs 377 (2004) 241

Shu, J.-L., Y. Hong and K. Wen-Ren, A sharp upper bound on the largest eigenvalue of the Laplacian matrix of a graph 347 (2002) 123 Shuibi, A., see Calvetti, D. 362 (2003) 257

Siciliano, A., see Cossidente, A. 347 (2002) 81 Sidi, A., DGMRES: A GMRES-type algorithm for Drazin-inverse solution of singular nonsymmetric linear systems 335 (2001) 189 Sidiropoulos, N.D., see ten Berge, J.M.F. 388

(2004) 363

Silbermann, B., see Bart, H. 341 (2002) 327 Siler, J.R., see Skoug, M.J. 367 (2003) 291

Silva Leite, F., see Cardoso, J.R. 330 (2001) 31 Silva, F.C., On the number of invariant factors of partially prescribed matrices and control theory 311 (2000) 1

Silva, F.C., see Aujla, J.S. 369 (2003) 217 Silva, F.C., see Cabral, I. 332–334 (2001) 447

Silva, F.C., see Cravo, G. 311 (2000) 13

Silva, F.C., see Cravo, G. 335 (2001) 157 Silva, F.C., see Cravo, G. 364 (2003) 81 Silva, F.C., see Cravo, G. 368 (2003) 107

Silva, F.C., see Ferreira, C. 381 (2004) 37

Silva, F.C., see Ferreira, C. 390 (2004) 7

Silva, F.C., see Furtado, S. 335 (2001) 81

Silva, F.C., see Furtado, S. 340 (2002) 137

Silva, F.C., see Martins, E.A. 359 (2003) 249 Silva, F.C., see Martins, E.A. 360 (2003) 173

Silva, F.C., see Matos, I.T. 320 (2000) 63

Silva, M.S. and T.P. de Lima, Looking for nonnegative solutions of a Leontief dynamic model 364 (2003) 281

Simić, S.K., see Bell, F.K. 377 (2004) 249

Simić, S.K., see Cvetković, D. 301 (1999) 81 Simoncini, V. and M. Pennacchio, The behavior of symmetric Krylov subspace methods for solving $Mx = (M - \gamma I)v$ 380 (2004) 53

Simonis, J., see Barg, A. 307 (2000) 119

Singer, S. and S. Singer, Rounding error and perturbation bounds for the symplectic QR factorization 358 (2003) 255

Singer, S. and S. Singer, Rounding-error and perturbation bounds for the indefinite QR factorization 309 (2000) 103

Singer, S., see Singer, S. 358 (2003) 255

Singer, S., see Singer, S. 309 (2000) 103

Singh, M. and H.L. Vasudeva, Monotone matrix functions of two variables 328 (2001)

Sinha, K.B., see Bhatia, R. 302-303 (1999) 231 Skoug, M.J., R.D. Hill and J.R. Siler, On a lattice of hermitian-preserving cones 367 (2003) 291

Sładek, A., see Chlebowicz, A. 331 (2001) 145 Slapničar, I., Highly accurate symmetric eigenvalue decomposition and hyperbolic SVD 358 (2003) 387

Slapničar, I. and N. Truhar, Relative perturbation theory for hyperbolic eigenvalue problem 309 (2000) 57

Slapničar, I. and N. Truhar, Relative perturbation theory for hyperbolic singular value problem 358 (2003) 367

Slapničar, I., see Barlow, J.L. 309 (2000) 19 Slapničar, I., see Powell, J.A. 398 (2005) 117 Slapničar, I., see Truhar, N. 301 (1999) 171

Sleijpen, G.L.G. and J. van den Eshof, On the use of harmonic Ritz pairs in approximating internal eigenpairs 358 (2003) 115

Sleijpen, G.L.G., see Hochstenbach, M.E. 358 (2003) 145

Smigoc, H., The inverse eigenvalue problem for nonnegative matrices 393 (2004) 365

Smith, P.A., see Bolotnikov, V. 381 (2004) 165 Smith, R.L., On characterizing Z-matrices 338 (2001)99

Smith, R.L., see Johnson, C.R. 307 (2000) 1 Smith, R.L., see Johnson, C.R. 330 (2001) 43 Smith, R.L., see Johnson, C.R. 337 (2001) 253 Smith, S.P., The factorability of symmetric matrices and some implications for statistical linear models 335 (2001) 63

Smithies, L., Finite rank harmonic operatorvalued functions 336 (2001) 15

Smithies, L., see Cavaretta, A.S. 360 (2003) 231

Smithies, L., see Enflo, P. 336 (2001) 21

Smithies, L., see Enflo, P. 338 (2001) 139

So, W., Linear operators preserving the minimal rank 302-303 (1999) 461

So, W., The high road to an exponential formula 379 (2004) 69

So, W., see Huang, L. 323 (2001) 105

Soares, G., see Bebiano, N. 399 (2005) 17

Soh, Y.C., see Yang, G.-H. 312 (2000) 161 Sokolov, V.I., see Böttcher, A. 366 (2003) 87

Sokolov, V.I., see Böttcher, A. 343-344 (2002)

Solares, C., see Castillo, E. 346 (2002) 131 Solomon, L., Similarity of the companion matrix and its transpose 302-303 (1999) 555

Song, S.-Z., S.-G. Hwang, S.-H. Rim and G.-S. Cheon, Extremes of permanents of (0, 1)-matrices 373 (2003) 197

Song, S.-Z., see Beasley, L.B. 341 (2002) 143

Song, S.-Z., see Beasley, L.B. 350 (2002) 263 Song, S.-Z., see Beasley, L.B. 393 (2004) 39

Song, S.-Z., see Beasley, L.B. 399 (2005) 3

Song, S.-Z., see Cheon, G.-S. 364 (2003) 223

Song, S.-Z., see Cheon, G.-S. 373 (2003) 211 Song, S.-Z., see Cheon, G.-S. 373 (2003) 89

Song, Y., A note on the variation of the spectrum of an arbitrary matrix 342 (2002) 41 Song, Y., On an inequality for the Hadamard

product of an M-matrix and its inverse 305 (2000)99

Song, Y., see Gowda, M.S. 370 (2003) 355 Sorensen, D.C. and A.C. Antoulas, The Sylvester equation and approximate balanced reduction 351-352 (2002) 671

Sorensen, D.C., see Antoulas, A.C. 326 (2001)

Sorensen, D.C., see Oliveira, A.R.L. 394

(2005)1Soriano, M., see Passi, I.B.S. 355 (2002) 241

Soto, R., A. Borobia and J. Moro, On the comparison of some realizability criteria for the real nonnegative inverse eigenvalue problem 396 (2005) 223

Soto, R., see Borobia, A. 393 (2004) 73

Soto, R., see Rojo, O. 312 (2000) 155

Soto, R.L., Existence and construction of nonnegative matrices with prescribed spectrum 369 (2003) 169

Soto, R.L., see Rojo, O. 368 (2003) 53

Soules, G.W., Permanental bounds for nonnegative matrices via decomposition 394 (2005) 73

Soundararajan, T., see Nagarajan, K.R. 348 (2002) 1

Sourour, A.R., see Bell, J. 312 (2000) 13

Sousa Dias, M.E., see Alves, J.F. 394 (2005)

Sousa Ramos, J., see Alves, J.F. 394 (2005) 277 Spagnolo, S., see Mencherini, L. 382 (2004) 25 Speck, F.-O., see Ehrhardt, T. 353 (2002) 53 Spence, E., see van Dam, E.R. 396 (2005) 303

Spiegel, E., Completing symplectic matrices 312 (2000) 93

Spijker, M.N., see Borovykh, N. 311 (2000) 161

Spitkovsky, I., see Caston, L. 322 (2001) 129 Spitkovsky, I., see McCarthy, N. 347 (2002) 219

Spitkovsky, I., see Okubo, K. 325 (2001) 177 Spitkovsky, I.M., see Brown, E.S. 390 (2004) 75

Spitkovsky, I.M., see Rodman, L. 397 (2005) 193

Spreij, P., see Klein, A. 329 (2001) 9

Spreij, P., see Klein, A. 396 (2005) 1

Sri Ranga, A., see da Silva, A.P. 397 (2005) 299

Sridhar, R. and S.N. Kabadi, On pseudomatroid property of matrices 304 (2000) 33

Srinivasan, M.K., see Bhanu Murthy, N.L. 350 (2002) 147

Srinivasan, S.S., see Jensen, D.R. 388 (2004) 249

Srivastava, M.S. and D. von Rosen, Regression models with unknown singular covariance matrix 354 (2002) 255

Stachó, L.L. and B. Zalar, Bicircular projections on some matrix and operator spaces 384 (2004) 9

Stadler, P.F., see Biyikoğlu, T. 390 (2004) 155 Stadler, P.F., see Davies, E.B. 336 (2001) 51 Stahlecker, P., see Arnold, B.F. 354 (2002) 3

Stanford, D.P., see Eischen, E.E. 357 (2002) 273

Stanford, D.P., see Johnson, C.R. 311 (2000)

Stanimirović, P.S. and D.S. Djordjević, Fullrank and determinantal representation of the Drazin inverse 311 (2000) 131

Stanković, I., see Stevanović, D. 400 (2005)

Stefanovski, J., Condensed forms of linear control system under output feedback 328 (2001) 1

Stefan, R., see Genin, Y. 351–352 (2002) 381 Stegeman, J.D., see Fischer, P. 371 (2003) 53 Steidl, G., see Nieslony, A. 366 (2003) 337

Steiner, M., Variations on a theme of Frobenius about almost commuting unitary matrices 400 (2005) 1

Steinhardt, A.O., see Bojanczyk, A. 316 (2000)

Steinwandt, R., see Schmid, M. 306 (2000) 131Stepniak, C., On a matrix result in comparison of linear experiments 321 (2000) 321

Stevanović, D., Bounding the largest eigenvalue of trees in terms of the largest vertex degree 360 (2003) 35

Stevanović, D., On the components of NEPS of connected bipartite graphs 356 (2002) 67

Stevanović, D., Remarks on graphs with majority of eigenvalues at most -1 367 (2003) 337

Stevanović, D., When is NEPS of graphs connected? 301 (1999) 137

Stevanović, D., When can the components of NEPS of connected bipartite graphs be almost cospectral? 311 (2000) 35

Stevanović, D. and I. Stanković, Remarks on hyperenergetic circulant graphs 400 (2005) 345

Stevanović, D., see Cvetković, D. 356 (2002)

Stewart, D.E., see Oliveira, S. 309 (2000) 175Stewart, G.W., A Generalization of Saad's theorem on Rayleigh-Ritz approximations 327 (2001) 115

Stewart, G.W., Backward error bounds for approximate Krylov subspaces 340 (2002) 81

Stewart, G.W., An Elsner-like perturbation theorem for generalized eigenvalues 390 (2004) 1

Stewart, G.W., see Li, R.-C. 313 (2000) 41 Stojanoff, D., see Antezana, J. 381 (2004) 197

Stojanoff, D., see Corach, G. 332–334 (2001) 503

Stojanoff, D., see Corach, G. 341 (2002) 259 Stojanoff, D., see Massey, P. 393 (2004) 299

Straškraba, I., see Koliha, J.J. 388 (2004) 279 Strašek, R., Uniform primeness of the Jordan algebra of hermitian quaternion matrices 367 (2003) 235

Strauss, V., On the bicommutant for one type of *J*-symmetric nilpotent algebras in Krein spaces 372 (2003) 167

Strikwerda, J.C., A probabilistic analysis of asynchronous iteration 349 (2002) 125

Strohmer, T., Four short stories about Toeplitz matrix calculations 343–344 (2002) 321

Strohmer, T., see Grishin, D. 391 (2004) 99 Stuart, J., Reducible pattern k-potent ray pat-

Stuart, J., Reducible pattern k-potent ray pattern matrices 362 (2003) 87 Stuart, J., see Hasfura-Buenaga, J.-R. 394 (2005) 145

Stuart, J.L., L. Beasley and B. Shader, Irreducible, pattern k-potent ray pattern matrices 346 (2002) 261

Stuart, J.L., see Eschenbach, C. 306 (2000) 103 Stuart, J.L., see Hemasinha, R. 361 (2003) 63

Stuart, J.L., see Li, Z. 342 (2002) 47

Stuart, J.L., see Li, Z. 399 (2005) 125

Stubnya, E., see Farkas, A. 302–303 (1999) 423

Studden, W.J., see Dette, H. 345 (2002) 169 Studden, W.J., see Dette, H. 364 (2003) 33

Sturm, J.F., Similarity and other spectral relations for symmetric cones 312 (2000) 135

Styan, G.P.H., see Baksalary, J.K. 354 (2002) 21 Styan, G.P.H., see Baksalary, J.K. 354 (2002)

Styan, G.P.H., see Tian, Y. 335 (2001) 101

Stykel, T., Numerical solution and perturbation theory for generalized Lyapunov equations 349 (2002) 155

Stykel, T., Stability and inertia theorems for generalized Lyapunov equations 355 (2002) 297

Su, Y., see Bhaya, A. 332-334 (2001) 257

Sudo, T., Stable rank of C*-algebras of type I 383 (2004) 65

Sudo, T., Structure of group C*-algebras of the generalized disconnected Mauther groups 341 (2002) 317

Sun, J.-g., Condition numbers of algebraic Riccati equations in the Frobenius norm 350 (2002) 237

Sun, J.-G., On the sensitivity of the spectral projection 395 (2005) 83

Sun, J.-g., Perturbation analysis of the matrix equation $X = Q + A^{H}(\hat{X} - C)^{-1}A$ 372 (2003) 33

Sun, J.-g. and S.-F. Xu, Perturbation analysis of the maximal solution of the matrix equation $X + A^*X^{-1}A = P$. II 362 (2003)

Sun, J.-g., see Lin, W.-W. 337 (2001) 157

Sun, J.-H., see Wang, Q.-W. 353 (2002) 169

Sun, L., see Shao, Y. 384 (2004) 85

Sun, W., see Huang, T. 319 (2000) 137

Sun, W., see Li, W. 317 (2000) 227

Sun, W., see Li, W. 331 (2001) 131 Sun, X., see Chu, M.T. 316 (2000) 113

Sun, X., see Pauca, V.P. 316 (2000) 29

Sun, Y.-J., Global stabilizability of uncertain systems with time-varying delays via dynamic observer-based output feedback 353 (2002) 91

Sutton, B.D., see Johnson, C.R. 363 (2003) 147 Suwilo, S., see Shader, B.L. 363 (2003) 275 Svalbe, I. and D. van der Spek, Reconstruction of tomographic images using analog projections and the digital Radon transform 339 (2001) 125

Syed, Z., see Filar, J. 353 (2002) 227

Szafraniec, F.H., see Marcellán, F. 331 (2001)

Szarek, S., see Ruskai, M.B. 347 (2002) 159

Sze, N.-S., see Chan, J.-T. 399 (2005) 53

Sze, N.-S., see Li, C.-K. 377 (2004) 111

Sze, N.-S., see Li, C.-K. 400 (2005) 291

Sznajder, R., see Gowda, M.S. 393 (2004) 203 Szulc, T., see Baksalary, J.K. 354 (2002) 35

Szulc, T., see Baksalary, J.K. 379 (2004) 303

Szulc, T., see Hauke, J. 332–334 (2001) 437

Szulc, T., see Jenek, S. 363 (2003) 133

Szyld, D.B., see Bru, R. 393 (2004) 91 Szyld, D.B., see Elsner, L. 363 (2003) 65

Szyld, D.B., see Marek, I. 316 (2000) 67

Szyld, D.B., see Marek, I. 386 (2004) 67

Tabaâ, K., see Jbilou, K. 392 (2004) 195

Tabachnikova, O.M., Infinite systems of linear equations and mathematical logic 343-344 (2002) 473

Tablino Possio, C., see Serra Capizzano, S. 369 (2003) 41

Tagami, M., Symmetric association schemes attached to finite upper half planes over rings 376 (2004) 225

Taghavi, Y., see Radjabalipour, M. 327 (2001)

Tai, X.-C., see Rognes, Ø. 332–334 (2001) 205
Takagi, H., S.-E. Takahasi and T. Miura,
Polynomial identities that imply commutativity for rings 341 (2002) 299

Takahashi, K., On sums of three square-zero matrices 306 (2000) 45

Takahashi, S. and B.K. Ghosh, Canonical forms and parameter identification problems in perspective systems 351–352 (2002) 701

Takahasi, S.-E., see Takagi, H. 341 (2002) 299Takane, Y., Matrices with special reference to applications in psychometrics 388 (2004) 341

Tam, B.-S., On matrices with cyclic structure 302–303 (1999) 377

Tam, B.-S., The Perron generalized eigenspace and the spectral cone of a cone-preserving map 393 (2004) 375

Tam, B.-S. and H. Schneider, Linear equations over cones and Collatz–Wielandt numbers 363 (2003) 295

Tam, B.-S. and S. Yang, On matrices whose numerical ranges have circular or weak circular symmetry 302–303 (1999) 193 Tam, B.-S., see Li, C.-K. 341 (2002) 5

Tam, B.-S., see Li, C.-K. 350 (2002) 1

Tam, B.-S., see Lin, S.-H. 379 (2004) 179

Tam, B.-S., see Loewy, R. 363 (2003) 161 Tam, B.-S., see Zaslavsky, B.G. 302-303

(1999) 303 Tam, T.-Y. and W.C. Hill, On G-invariant

norms 331 (2001) 101 Tam, T.-Y., see Niezgoda, M. 336 (2001) 119

Tan, S.-W., see Guo, J.-M. 347 (2002) 9 Tan, S.-W., see Guo, J.-M. 380 (2004) 125

Tan, V. and F. Wang, On determinant preser-

ver problems 369 (2003) 311

Tan, Y., On the powers of matrices over a distributive lattice 336 (2001) 1

Tan, Y., On the eigenproblem of matrices over distributive lattices 374 (2003) 87

Tan, Y.-J., On the transitive matrices over distributive lattices 400 (2005) 169

Tan, Z., see Cao, Y. 360 (2003) 105

Tanahashi, K. and A. Uchiyama, Isolated point of spectrum of ρ-quasihyponormal operators 341 (2002) 345

Tanahashi, K., A. Uchiyama and M. Chō, Isolated points of spectrum of (p,k)-quasihyponormal operators 382 (2004) 221

Tanaka, R. and K. Murota, Symmetric failures in symmetric control systems 318 (2000) 145

Tang, X.-M.. Additive rank-1 preservers between hermitian matrix spaces and applications 395 (2005) 333

Tang, X.M., Linear operators preserving adjoint matrix between matrix spaces 372 (2003) 287

Tang, X.M., C.G. Cao and X. Zhang, Modular automorphisms preserving idempotence and Jordan isomorphisms of triangular matrices over commutative rings 338 (2001) 145

Tang, X.M., see You, H. 380 (2004) 185 Tao, J., see Gowda, M.S. 393 (2004) 203

Tarazaga, P., M. Raydan and A. Hurman, Perron–Frobenius theorem for matrices with some negative entries 328 (2001) 57

Tarragona, S., see Puerta, F. 379 (2004) 329 Tasche, M., see Plonka, G. 394 (2005) 309 Teimoori, H., see Bayat, M. 308 (2000) 65

Teixeira, M.C.M., see Oliveira, V.A. 369 (2003) 203

Telek, M., A. Horváth and G. Horváth, Analysis of inhomogeneous Markov reward models 386 (2004) 383

ten Berge, J.M.F., N.D. Sidiropoulos and R. Rocci, Typical rank and indscal dimensionality for symmetric three-way arrays of order $I \times 2 \times 2$ or $I \times 3 \times 3$ 388 (2004) 363

Teranishi, Y., Equitable switching and spectra of graphs 359 (2003) 121 Terhal, B.M., A family of indecomposable positive linear maps based on entangled quantum states 323 (2001) 61

Terwilliger, P., Leonard pairs and the q-Racah polynomials 387 (2004) 235

Terwilliger, P., The subconstituent algebra of a distance-regular graph; thin modules with endpoint one 356 (2002) 157

Terwilliger, P., Two linear transformations each tridiagonal with respect to an eigenbasis of the other 330 (2001) 149

Theys, J., see Blondel, V.D. 394 (2005) 91Thielemann, H., Bounds for smoothness of refinable functions 391 (2004) 245

Thome, N., see Climent, J.-J. 332-334 (2001) 533

Thornburg, M.L. and R.D. Hill, Order intervals of matrices 305 (2000) 33

Tian, F., see Chang, A. 370 (2003) 237

Tian, F., see Liu, H. 376 (2004) 135

Tian, F., see Liu, H. 389 (2004) 139 Tian, F., see Yu, A. 387 (2004) 41

Tian. F., see Yu, A. 400 (2005) 271

Tian, Y., Completing triangular block matrices with maximal and minimal ranks 321 (2000) 327

Tian, Y., Upper and lower bounds for ranks of matrix expressions using generalized inverses 355 (2002) 187

Tian, Y. and G.P.H. Styan, Rank equalities for idempotent and involutary matrices 335 (2001) 101

Tian, Y., see Cheng, S. 375 (2003) 181

Ticozzi, F., Optimal commuting approximation of Hermitian operators 400 (2005) 319

Tifenbach, R.M., see MacGillivray, G. 400 (2005) 99

Tijdeman, R., see Hajdu, L. 339 (2001) 147 Tilli. P., Universal bounds on the convergence rate of extreme Toeplitz eigenvalues 366 (2003) 403

Tilli, P., see Fasino, D. 306 (2000) 155 Tilli, P., see Romeo, M. 326 (2001) 161

Timotin, D., see Hadwin, D. 377 (2004) 165 Tineo, A., see Rada, J. 372 (2003) 333

Tisseur, F., Backward error and condition of polynomial eigenvalue problems 309 (2000) 339

Tisseur, F., see Dedieu, J.-P. 358 (2003) 71 Tisseur, F., see Higham, N.J. 351–352 (2002) 435

Tisseur, F., see Higham, N.J. 351-352 (2002) 455

Tisseur, F., see Higham, N.J. 358 (2003) 5 Tisseur, F., see Mackey, D.S. 385 (2004) 187 Todd, J. and R.S. Varga, Hardy's inequality and ultrametric matrices 302–303 (1999) 33 Toledo, S., see Chen, D. 392 (2004) 71

Tomei, C., see Leite, R.S. 361 (2003) 223

Tominaga, M., see Fujii, J.I. 377 (2004) 69

Tonge, A., Equivalence constants for matrix norms: a problem of Goldberg 306 (2000) 1 Tonge, A., see Osikiewicz, B. 331 (2001) 1

Toni, A., Lower bounds on zero–one matrices 376 (2004) 275

Torgašev, A., see Petrović, M. 380 (2004) 173 Torki, M., see Seeger, A. 372 (2003) 181

Torney, D.C. and J. Wang, Systems of linear congruences with individual moduli 318 (2000) 195

Torregrosa, J.R., see Araújo, C.M. 372 (2003)

Torregrosa, J.R., see Fallat, S.M. 312 (2000) 73

Torregrosa, J.R., see Gassó, M. 357 (2002) 163 Torregrosa, J.R., see Jordán, C. 332–334 (2001) 355

Torregrosa, J.R., see Jordán, C. 368 (2003) 25 Torregrosa, J.R., see Jordán, C. 393 (2004) 259

Torregrosa, J.R., see Mendes Araújo, C. 380 (2004) 213

Toumazou, V., see Chaitin-Chatelin, F. 309 (2000) 73

Tovbis, A., Normal forms of "near similarity" transformations and linear matrix equations 317 (2000) 13

Tovbis, A., see Bradshow, D. 384 (2004) 207 Tovbis, A., see Martin, H.M. 345 (2002) 29

Traviesas, E., see Chaitin-Chatelin, F. 309 (2000) 73

Trench, W.F., A note on asymptotic zero distribution of orthogonal polynomials 375 (2003) 275

Trench, W.F., Absolute equal distribution of families of finite sets 367 (2003) 131

Trench, W.F., Absolute equal distribution of the spectra of Hermitian matrices 366 (2003) 417

Trench, W.F., An elementary note on asymptotic properties of Toeplitz and multilevel Toeplitz matrices 382 (2004) 231

Trench, W.F., Asymptotic distribution of the even and odd spectra of real symmetric Toeplitz matrices 302–303 (1999) 155

Trench, W.F., Characterization and properties of matrices with generalized symmetry or skew symmetry 377 (2004) 207

Trench, W.F., Hermitian, hermitian R-symmetric, and hermitian R-skew symmetric Procrustes problems 387 (2004) 83

Trench, W.F., Inverse eigenproblems and associated approximation problems for matrices with generalized symmetry or skew symmetry 380 (2004) 199

Trench, W.F., Minimization problems for (R, S)-symmetric and (R, S)-skew symmetric matrices 389 (2004) 23

Trench, W.F., Spectral distribution of generalized Kac-Murdock-Szegö matrices 347 (2002) 251

Trendafilov, N.T. and R.A. Lippert, The multimode Procrustes problem 349 (2002) 245

Trenkler, G., see Baksalary, J.K. 372 (2003) 207

Trenkler, G., see Groß, J. 326 (2001) 205

Trenkler, G., see Neudecker, H. 354 (2002) 223 Trent, T.T., An H²-corona theorem on the bidisk for infinitely many functions 379 (2004) 213

Tretter, C., see Langer, H. 330 (2001) 89

Trishin, I.M., On reduction of elements of the full matrix superalgebra to a block-diagonal form by conjugation 357 (2002) 59

Trobajo, M.T., see Hermida-Alonso, J.A. 368 (2003) 197

Troschke, S.-O., see Farebrother, R.W. 362 (2003) 251

Troschke, S.-O., see Groß, J. 326 (2001) 205 Trosset, M.W., see Johnson, C.R. 397 (2005) 253

Truffet, L., see Ledoux, J. 378 (2004) 245

Truhar, N. and I. Slapničar, Relative perturbation bound for invariant subspaces of graded indefinite Hermitian matrices 301 (1999) 171

Truhar, N. and R.-C. Li, A sin 2Θ theorem for graded indefinite Hermitian matrices 359 (2003) 263

Truhar, N., see Slapničar, I. 309 (2000) 57 Truhar, N., see Slapničar, I. 358 (2003) 367

Tsachouridis, V., see Konstantinov, M. 359 (2003) 197

Tsatsomeros, M., A criterion for the existence of common invariant subspaces of matrices 322 (2001) 51

Tsatsomeros, M.J., Principal pivot transforms: properties and applications 307 (2000) 151

Tsatsomeros, M.J., see Edwards, R. 398 (2005)

Tsatsomeros, M.J., see Kirkland, S. 323 (2001) 37

Tsatsomeros, M.J., see Maroulas, J. 348 (2002) 49

Tsatsomeros, M.J., see Psarrakos, P.J. 360 (2003) 43

Tsatsomeros, M.J., see Psarrakos, P.J. 393 (2004) 333

Tschantz, S.T., see Johnson, N.W. 345 (2002) 119

Tsekanovskii, E., see Alpay, D. 314 (2000) 91 Tsekanovskii, E., see Belyi, S. 389 (2004) 305 Tsing, N.-K., see Cheung, G. 337 (2001) 109 Tsing, N.-K., see Li, C.-K. 341 (2002) 5

Tunçel, L. and H. Wolkowicz, Strengthened existence and uniqueness conditions for search directions in semidefinite programming 400 (2005) 31

Turner, W.J., see Chen, L. 343–344 (2002) 119Turnšek, A., Elementary operators and orthogonality 317 (2000) 207

Turnšek, A., see Magajna, B. 377 (2004) 181Turowska, L., see Mazorchuk, V. 390 (2004) 293

Tynan, J., see Bapat, R.B. 376 (2004) 69 Tynan, J., see Jain, S.K. 379 (2004) 381

Tyrtyshnikov, E., Kronecker-product approximations for some function-related matrices 379 (2004) 423

Tyrtyshnikov, E.E. and N.L. Zamarashkin, A general equidistribution theorem for the roots of orthogonal polynomials 366 (2003) 433

Tyrtyshnikov, E.E. and N.L. Zamarashkin, Toeplitz eigenvalues for Radon measures 343–344 (2002) 345

Tzoumas, M., see Hadjidimos, A. 364 (2003)

Uchiyama, A., see Tanahashi, K. 341 (2002) 345

Uchiyama, A., see Tanahashi, K. 382 (2004) 221

Uchiyama, M., Mixed matrix (operator) inequalities 341 (2002) 249

Ueberhuber, C.W., see Karner, H. 367 (2003) 301

Uhlig, F., A new unified, balanced, and conceptual approach to teaching linear algebra 361 (2003) 147

Uhlig, F., Challenges in Matrix Theory 2000 304 (2000) 179

Uhlig, F., Challenges in Matrix Theory 2002 345 (2002) 261

Uhlig, F., Constructive ways for generating (generalized) real orthogonal matrices as products of (generalized) symmetries 332–334 (2001) 459

Uhlig, F., Report on the 10th ILAS Conference "Challenges in Matrix Theory" at Auburn University in June 2002 379 (2004) 503

Uhlig, F., see Carlson, D. 302–303 (1999) 615 Uhlig, F., see Dreyfus, T. 361 (2003) 23

Uhlig, F., see Hasanov, V.I. 379 (2004) 113 Uhlig, F., see Jenek, S. 363 (2003) 133

Urbano, A.M., Nilpotent completions of partial upper triangular matrices 390 (2004) 209

Urbano, A.M., see Araújo, C.M. 372 (2003)

Urbano, A.M., see Cantó, R. 302-303 (1999) 245

Urbano, A.M., see Fallat, S.M. 312 (2000) 73 Urbano, A.M., see Jordán, C. 332–334 (2001) 355

Urbano, A.M., see Jordán, C. 368 (2003) 25 Urbano, A.M., see Mendes Araújo, C. 380 (2004) 213

Vaish, A.K. and N.R. Chaganty, Wishartness and independence of matrix quadratic forms for Kronecker product covariance structures 388 (2004) 379

Valcher, M.E., Nonnegative linear systems in the behavioral approach: the autonomous case 319 (2000) 147

(alcher M E On so

Valcher, M.E., On some special features which are peculiar to discrete time behaviors with trajectories on Z₊ 351–352 (2002) 719

Valenti, C., see Di Gesù, V. 339 (2001) 205 Vallejo, E., The classification of minimal matrices of size $2 \times q$ 340 (2002) 169

Van Barel, M., G. Heinig and P. Kravanja, A superfast method for solving Toeplitz linear least squares problems 366 (2003) 441

Van Barel, M., V. Pták and Z. Vavřin, Bézout and Hankel matrices associated with row reduced matrix polynomials. Barnett-type formulas 332–334 (2001) 583

Van Barel, M., see Hendrickx, J. 343–344 (2002) 211

van Dam, E.R. and E. Spence, Combinatorial designs with two singular values II. Partial geometric designs 396 (2005) 303

van Dam, E.R. and W.H. Haemers, Which graphs are determined by their spectrum? 373 (2003) 241

van de Velden, M. and H. Neudecker, On an eigenvalue property relevant in correspondence analysis and related methods 321 (2000) 347

van de Velden, M., see Groenen, P.J.F. 388 (2004) 221

van den Driessche, P., see Britz, T. 390 (2004) 47

van den Driessche, P., see Cheung, W.-S. 325 (2001) 191

van den Driessche, P., see Dame, L.F. 396 (2005) 243

van den Driessche, P., see Drew, J.H. 308 (2000) 121

van den Driessche, P., see Elsner, L. 302-303 (1999) 17

van den Driessche, P., see Elsner, L. 332-334 (2001) 3

van den Driessche, P., *see* Elsner, L. 374 (2003) 219 van den Driessche, P., see Elsner, L. 385 (2004) 47

van den Driessche, P., see MacGillivray, G. 400 (2005) 99

van den Driessche, P., see Olesky, D.D. 312 (2000) 191

van den Driessche, P., see Olesky, D.D. 346 (2002) 109

van den Driessche, P., see Olesky, D.D. 356 (2002) 123

van den Driessche, P., see Satnoianu, R.A. 398 (2005) 69

van den Eshof, J., see Sleijpen, G.L.G. 358 (2003) 115

van der Holst, H., Graphs whose positive semi-definite matrices have nullity at most two 375 (2003) 1

van der Holst, H., see Aigner, M. 377 (2004) 11 van der Mee, C.V.M., A.C.M. Ran and L. Rodman, Stability of self-adjoint square roots and polar decompositions in indefinite scalar product spaces 302–303 (1999) 77

van der Mee, C.V.M., S. Seatzu and G. Rodriguez, Semi-infinite multi-index perturbed block Toeplitz systems 366 (2003) 459

van der Mee, C.V.M., S. Seatzu and G. Rodriguez, Spectral factorization of bi-infinite multi-index block Toeplitz matrices 343– 344 (2002) 355

Van der Merwe, A.B., see Behn, A. 346 (2002)

van der Spek, D., see Svalbe, I. 339 (2001) 125 van der Veen, A.-J., see Dewilde, P. 313 (2000) 53

van der Werf, W., see Powell, J.A. 398 (2005)

van der Woude, J.W., A simplex-like method to compute the eigenvalue of an irreducible (max,+)-system 330 (2001) 67

van der Woude, J.W., On the existence of a common solution X to the matrix equations $A_i X B_i = C_{ij}$, $(i,j) \in \Gamma$ 375 (2003) 135

van der Woude, J.W., The generic canonical form of a regular structured matrix pencil 353 (2002) 267

Van Dooren, P., see Gallivan, K. 375 (2003) 115

Van Dooren, P., see Genin, Y. 351-352 (2002)

Van Dooren, P., see Hachez, Y. 371 (2003) 31Van Dooren, P.M., see Higham, N.J. 351–352 (2002) 455

Van Gaans, O., see Lemmens, B. 371 (2003) 265

van Gils, S.A., see Davydova, N.V. 398 (2005) 185

Van Huffel, S., see Lemmerling, P. 366 (2003) 295

Van Huffel, S., see Mastronardi, N. 391 (2004) 203

Van Iseghem, J., Stieltjes continued fraction and QD algorithm: scalar, vector, and matrix cases 384 (2004) 21

van Schagen, F., see Gohberg, I. 385 (2004) 381

Vandendorpe, A., see Gallivan, K. 375 (2003) 115

Vander Meulen, K.N., see Cavers, M.S. 394 (2005) 53

Vandewalle, J., see De Lathauwer, L. 391 (2004) 31

Varah, J.M., Positive definite Hankel matrices of minimal condition 368 (2003) 303

Vardi, E., G.T. Herman and T.Y. Kong, Speeding up stochastic reconstructions of binary images from limited projection directions 339 (2001) 75

Varga, R.S., see Todd, J. 302-303 (1999) 33Vaserstein, L. and E. Wheland, Two-dimensional representations of the free group in two generators over an arbitrary field 307

(2000) 145 Vassalos, P., see Noutsos, D. 395 (2005) 121

Vasudeva, H.L., see Singh, M. 328 (2001) 131 Vavřín, Z., see Fiedler, M. 380 (2004) 95 Vavřín, Z., see Van Barel, M. 332–334 (2001)

Vavasis, S.A., see Bobrovnikova, E.Y. 307 (2000) 69

Velasco, F.E., Stable subspaces of matrix pairs 301 (1999) 15

Velázquez, L., see Cantero, M.J. 362 (2003) 29 Vélez, R., see Ibarrola, P. 389 (2004) 63

Vera-López, A. and J.M. Arregi, Computing in unitriangular matrices over finite fields 387 (2004) 193

Vera-López, A. and J.M. Arregi, Conjugacy classes in unitriangular matrices 370 (2003) 85

Verde-Star, L., A Lagrange matrices approach to confluent Cauchy matrices 389 (2004) 249

Verde-Star, L., Groups of generalized Pascal matrices 382 (2004) 179

Verner, J.H., see Olesky, D.D. 312 (2000) 191Veselić, K., Bounds for exponentially stable semigroups 358 (2003) 309

Veselić, K., Perturbation theory for the eigenvalues of factorised symmetric matrices 309 (2000) 85

Veselić, K., see Drmač, Z. 309 (2000) 191 Veselić, K., see Nakić, I. 369 (2003) 77 Vettori, P. and S. Zampieri, Module theoretic approach to controllability of convolutional systems 351–352 (2002) 739

Vettori, P., see Pereira, R. 400 (2005) 121

Vigneron-Tenorio, A., see Pisón-Casares, P. 384 (2004) 135

Villa, O., see Ellers, E.W. 395 (2005) 163 Villard, G., see Chen, L. 343–344 (2002) 119

Villard, G., see Koiran, P. 378 (2004) 99 Villarreal, R.H., see Escobar, C.A. 374 (2003) 275

Villarreal, R.H., see Reyes, E. 318 (2000) 173Vincent, J.-M. and C. Marchand, On the exact simulation of functionals of stationary Markov chains 386 (2004) 285

Vinod, H.D., Foundations of multivariate inference using modern computers 321 (2000) 365

Vinograd, R., see Mirman, B. 329 (2001) 61 Virtanen, A., see Merikoski, J.K. 388 (2004) 301

Visick, G., A quantitative version of the observation that the Hadamard product is a principal submatrix of the Kronecker product 304 (2000) 45

Vladimirov, A., L. Elsner and W.-J. Beyn, Stability and paracontractivity of discrete linear inclusions 312 (2000) 125

Vogel, C., see Hanke, M. 316 (2000) 223

Volaufová, J., Some estimation problems in multistage linear models 388 (2004) 389

von Pfaler, J., see Huhtanen, M. 394 (2005) 169

von Rosen, D., see Srivastava, M.S. 354 (2002) 255

Wagelmans, A.P.M., see Bart, H. 305 (2000) 107

Waldron, S., see Peng, I. 347 (2002) 131

Walker, S.G., Improving bounds for nonmaximal eigenvalues of positive matrices 397 (2005) 133

Wan, Z.-X., see Huang, L.-P. 396 (2005) 127Wang, B.-Y., X. Zhang and F. Zhang, On the Hadamard product of inverse M-matrices 305 (2000) 23

Wang, B.-Y., X. Zhang and F. Zhang, Some inequalities on generalized Schur complements 302–303 (1999) 163

Wang, B.-Y., see Cai, J.-L. 364 (2003) 135

Wang, C.-L. and Z.-Z. Bai, Sufficient conditions for the convergent splittings of non-Hermitian positive definite matrices 330 (2001) 215

Wang, C.-L., see Bai, Z.-Z. 362 (2003) 237 Wang, D., see Hall, F.J. 338 (2001) 153 Wang, F., see Tan, V. 369 (2003) 311 Wang, G., The reverse order law for the Drazin inverses of multiple matrix products 348 (2002) 265

Wang, G., see Hartwig, R.E. 322 (2001) 207Wang, G.-r., L. Qiu, Leverrier-Chebyshev algorithm for the singular pencils 345 (2002) 1

Wang, J., see Cao, Y. 311 (2000) 187 Wang, J., see Torney, D.C. 318 (2000) 195

Wang, J.L., see Yang, G.-H. 312 (2000) 161Wang, L.Y. and D.J. Meng, Some completeLie superalgebras 369 (2003) 339

Wang, L.Y. and D.J. Meng, Some results on complete Lie superalgebras 355 (2002) 1

Wang, M. and D. Feng, On Lin-Bose problem 390 (2004) 279

Wang, M., see Cao, Z.-H. 350 (2002) 285Wang, M.-w., An inequality for non-negative matrices II 348 (2002) 259

Wang, Q.-W., A system of matrix equations and a linear matrix equation over arbitrary regular rings with identity 384 (2004) 43

Wang, Q.-W., J.-H. Sun and S.-Z. Li, Consistency for bi(skew)symmetric solutions to systems of generalized Sylvester equations over a finite central algebra 353 (2002) 169Wang, T., see Zhao, X. 318 (2000) 45

Wang, T.-L., Convergence of the tridiagonal QR algorithm 322 (2001) 1

Wang, T.S., see Ming, G.J. 325 (2001) 71 Wang, T.S., see Ming, G.J. 329 (2001) 1

Wang, X., see Cao, W. 372 (2003) 67 Wang, X., see McKay, B.D. 373 (2003) 273

Wang, X., see Pan, V.Y. 343–344 (2002) 233 Wang, X.A., see Ghosh, B.K. 351–352 (2002) 411

Wang, X.T. and H. You, Decomposition of Jordan automorphisms of strictly triangular matrix algebra over local rings 392 (2004) 183

Wang, Y., Linear transformations preserving log-concavity 359 (2003) 161

Wang, Y., see Cunningham, W.H. 389 (2004) 269

Wang, Y., see Ren, G. 395 (2005) 283

Wang, Y.-x., see Li, F.-g. 349 (2002) 105 Wang, Z., see Zou, Y. 320 (2000) 173

Wanless, I.M., A lower bound on the maximum permanent in A_n^k 373 (2003) 153

Ward, J.A., see Hadwin, D.W. 315 (2000) 145 Wardlaw, W.P., see Lockhart, J.M. 362 (2003)

Warnke, I., see Mayer, G. 363 (2003) 201

Waterhouse, W.C., Asymmetric linear correlations of projective planes over fields 323 (2001) 99

Waterhouse, W.C., Polynomials for the Jordan decomposition in characteristic p 392 (2004) 39 Waterhouse, W.C., The structure of alternating-Hamiltonian matrices 396 (2005) 385

Watkins, D.S., On Hamiltonian and symplectic Lanczos processes 385 (2004) 23

Watkins, W., see Abrego, B.M. 374 (2003) 175 Watkins, W., see Lien, M. 306 (2000) 123

Watts, V.L., A tree whose complement is not eigensharp 306 (2000) 183

Watts, V.L., Boolean rank of Kronecker products 336 (2001) 261

Weaver, J.R., see Eschenbach, C. 306 (2000) 103

Weaver, J.R., see Hemasinha, R. 361 (2003) 63 Weber, M., see Deuflhard, P. 398 (2005) 161

Wei, M. and W. Guo, On g-inverses of a bordered matrix: revisited 347 (2002) 189

Wei, M. and W. Guo, Reverse order laws for least squares g-inverses and minimum norm g-inverses of products of two matrices 342 (2002) 117

Wei, M., see De Pierro, A.R. 320 (2000) 145 Wei, M., see Jiang, T. 367 (2003) 225

Wei, W.W.S., see Hodgess, E.M. 321 (2000) 175

Wei, Y. and H. Diao, On group inverse of singular Toeplitz matrices 399 (2005) 109

Wei, Y., see Castro González, N. 312 (2000) 181

Wei, Y., see Climent, J.-J. 332–334 (2001) 533 Wei, Y., see Hartwig, R.E. 322 (2001) 207

Wei, Y., see Li, X. 338 (2001) 53

Wei, Y., see Rakočević, V. 350 (2002) 25 Wei, Y.-M., see Gulliksson, M. 349 (2002) 221

Weiland, S., see Roorda, B. 337 (2001) 189

Wen, Y.-W., see Ng, M.K. 348 (2002) 145 Wen-Ren, K., see Shu, J.-L. 347 (2002) 123

Wen-Ren, K., see Shu, J.-L. 347 (2002) 123 Werner, E., see Ruskai, M.B. 347 (2002) 159 Wheland, E., see Vaserstein, L. 307 (2000) 145

White, R.E., Domain decomposition splittings 316 (2000) 105

Wiesner, E.B., Backward minimal points for bounded linear operators on finite-dimensional vector spaces 338 (2001) 251

Wild, M., see Akkurt, M. 394 (2005) 25

Wilson, H.J., see Bradley, J.T. 386 (2004) 311Wimmer, H.K., Similarity of block companion and block Toeplitz matrices 343–344 (2002) 381

Winkler, H., see Sandovici, A. 397 (2005) 141Winkler, J.R., A companion matrix resultant for Bernstein polynomials 362 (2003) 153

Winkler, J.R., A resultant matrix for scaled Bernstein polynomials 319 (2000) 179

Wirth, F., The generalized spectral radius and extremal norms 342 (2002) 17

Wirth, F., The generalized spectral radius is strictly increasing 395 (2005) 141 Witt, A.J., see Johnson, C.R. 363 (2003) 147
Wołowiec-Musiał, M., see Chlebowicz, A. 331 (2001) 145

Woerdeman, H.J., The Carathéodory-Toeplitz problem with partial data 342 (2002) 149

Woerdeman, H.J., The separability problem and normal completions 376 (2004) 85

Woerdeman, H.J., see Bostian, A.A. 325 (2001) 23

Woerdeman, H.J., see Hachez, Y. 399 (2005) 187

Wojciechowski, P.J., Directed maximal partial orders of matrices 375 (2003) 45

Wolkowicz, H., see Alfakih, A.Y. 340 (2002) 149

Wolkowicz, H., see Anstreicher, K. 301 (1999)

Wolkowicz, H., see Tuncel, L. 400 (2005) 31 Wong, C.K., see Chan, T.F. 316 (2000) 259

Woo, C.-W., see Hou, Y. 356 (2002) 27
Wood, J., Key problems in the extension of module-behaviour duality 351–352 (2002)

Woodside, C.M., see Petriu, D.C. 386 (2004)

Wu, B., E. Xiao and Y. Hong, The spectral radius of trees on k pendant vertices 395 (2005) 343

Wu, H., On the multiple Nevanlinna–Pick interpolation problems in some matrix-valued function classes 399 (2005) 71

Wu, H.-z., see Yang, S.-j. 336 (2001) 201 Wu, L., see Zhang, Z. 364 (2003) 161

Wu, P.Y., Numerical range of Aluthge transform of operator 357 (2002) 295

Wu, P.Y., see Gau, H.-L. 364 (2003) 213

Wu, P.Y., see Gau, H.-L. 368 (2003) 359

Wu, P.Y., see Gau, H.-L. 382 (2004) 155 Wu, P.Y., see Gau, H.-L. 383 (2004) 127

Wu, P.Y., see Gau, H.-L. 383 (2004) 127 Wu, P.Y., see Gau, H.-L. 390 (2004) 121

Wu, P.Y., see Li, C.-K. 350 (2002) 1

Wu, Q., see Lin, Z. 391 (2004) 169

Wu, Y. and Q. Li, An approach to solving $A^{k} = J - I 373 (2003) 121$

Wu, Y., see Shu, J. 377 (2004) 241

Wu, Y.-K., R.-Z. Jia and Q. Li, g-Circulant solutions to the (0,1) matrix equation $A^m = J_n$ 345 (2002) 195

Wyels, C.J., see Shen, J. 364 (2003) 243

Wyman, B.F., Poles, zeros, and sheaf cohomology 351-352 (2002) 799

Xi, C.C. and D. Xiang, Cellular algebras and Cartan matrices 365 (2003) 369

Xia, T., see Seberry, J. 373 (2003) 297 Xiang, D., see Xi, C.C. 365 (2003) 369 Xiang, S., On an inequality for the Hadamard product of an M-matrix or an H-matrix and its inverse 367 (2003) 17

Xiao, E., see Wu, B. 395 (2005) 343

Xie, H. and H. Dai, On the sensitivity of multiple eigenvalues of nonsymmetric matrix pencils 374 (2003) 143

Xie, J. and F. Lu, A note on 2-local automorphisms of digraph algebras 378 (2004) 93

Xin, X. and T. Mita, A simple state-space design of an interactor for a non-square system via system matrix pencil approach 351–352 (2002) 809

Xiong, C., see Zhu, J. 397 (2005) 367

Xu, C., Completely positive matrices 379 (2004) 319

Xu, C., see Berman, A. 393 (2004) 55

Xu, C., see Berman, A. 399 (2005) 35

Xu, G.-H. and J.-Y. Shao, Conditional S-matrices 376 (2004) 187

Xu, H., An SVD-like matrix decomposition and its applications 368 (2003) 1

Xu, H., see Lin, W.-W. 302-303 (1999) 469

Xu, H., see Mehl, C. 380 (2004) 3

Xu, J., see Han, L. 363 (2003) 109

Xu, J., see Neumann, M. 386 (2004) 225 Xu, L., see Lin, Z. 391 (2004) 169

Xu, M.-Y., see Du, S.-F. 373 (2003) 101

Xu, M.-Y., see Du, S.-F. 3/3 (2003) 101 Xu, S., see Cheng, M. 394 (2005) 39

Xu, S.-F., Perturbation analysis of the maximal solution of the matrix equation $X + A^+X^{-1}A = P$ 336 (2001) 61

Xu, S.-F., see Sun, J.-g. 362 (2003) 211

Xu, Z.-B., see Cao, H.-X. 345 (2002) 255 Xu, Z.-B., see Peng, J. 367 (2003) 47

Xue, J., Blockwise perturbation theory for nearly uncoupled Markov chains and its application 326 (2001) 173

Yagle, A.E., A convergent composite mapping Fourier domain iterative algorithm for 3-D discrete tomography 339 (2001) 91

Yahaghi, B.R., On irreducible semigroups of matrices with traces in a subfield 383 (2004) 17

Yahaghi, B.R., see Radjabalipour, M. 383 (2004) 29

Yakhlef, H.O., F. Marcellán and M.A. Piñar, Perturbations in the Nevai matrix class of orthogonal matrix polynomials 336 (2001) 231

Yamamoto, N., A simple method for error bounds of eigenvalues of symmetric matrices 324 (2001) 227

Yamamoto, T., see Nakazi, T. 341 (2002) 273 Yamasaki, M., see Chen, X. 324 (2001) 15 Yamazaki, T., On numerical range of the Aluthge transformation 341 (2002) 111

Yamazaki, T., see Ando, T. 375 (2003) 299 Yamazaki, T., see Ito, M. 370 (2003) 147

Yan, Z. and H. You, Two-dimensional representations of the free group with two generators over a finite field 359 (2003) 29

Yanagi, K., K. Kuriyama and S. Furuichi, Generalized Shannon inequalities based on Tsallis relative operator entropy 394 (2005) 109

Yanagi, K., S. Furuichi and K. Kuriyama, On trace inequalities and their applications to noncommutative communication theory 395 (2005) 351

Yang, C., An order preserving inequality via Furuta inequality, II 331 (2001) 89

Yang, G.-H., J.L. Wang and Y.C. Soh, Guaranteed cost control for discrete-time linear systems under controller gain perturbations 312 (2000) 161

Yang, S., see Tam, B.-S. 302–303 (1999) 193
Yang, S.-j., H.-z. Wu and Q.-b. Zhang. Generalization of Vandermonde determinants 336 (2001) 201

Yang, S.-Y., see Li, C.-H. 400 (2005) 279

Yang, W., Convergence in the Cesaro sense and strong law of large numbers for nonhomogeneous Markov chains 354 (2002) 275

Yang, X., A matrix inequality 348 (2002) 41
Yang, X., Necessary conditions of Hurwitz polynomials 359 (2003) 21

Yang, Y. and H. Holtti, The factorization of block matrices with generalized geometric progression rows 387 (2004) 51

Yang, Z., see Hu, Y. 395 (2005) 247

Yang, Z.H., Polynomial Bezoutian matrix with respect to a general basis 331 (2001) 165

Yang, Z.-H. and G.-N. Chen, Generalizedconfluent Cauchy and Cauchy-Vandermonde matrices 308 (2000) 31

Yang, Z.-H. and Y.-J. Hu, Confluent polynomial Vandermonde-like matrices: displacement structures, inversion formulas and fast algorithm 382 (2004) 61

Yarkoni, E.J., see Lewkowicz, I. 396 (2005) 329 Yau, D.Y., see Johnson, C.R. 327 (2001) 53

Yekutieli, A., On the structure of behaviors 392 (2004) 159

Yen, H.-T., see Cheng, S.S. 313 (2000) 193

Yeredor, A., Multiple delays estimation for chirp signals using structured total least squares 391 (2004) 261

Yeung, M.-C., Probabilistic analysis of complex Gaussian elimination without pivoting 384 (2004) 109 Yin, Q., Construction of real antisymmetric and bi-antisymmetric matrices with prescribed spectrum data 389 (2004) 95

Yip, A.M., see Ng, M.K. 316 (2000) 89

Yong, X., Proof of a conjecture of Fiedler and Markham 320 (2000) 167

Yong, X. and S. Cao, Disproof of a conjecture on the existence of the path-recursive period for a connected graph 317 (2000) 201

Yong, X., see Zou, Y. 320 (2000) 173

Yopp, D.A. and R.D. Hill, On completely copositive and decomposable linear transformations 312 (2000) 1

Yopp, D.A. and R.D. Hill, On the cone of completely positive linear transformations 304 (2000) 119

You, H. and J. Chen, Generalized inverses of a sum of morphisms 338 (2001) 261

You, H. and X.M. Tang, Additive preservers of rank-additivity on the spaces of symmetric and alternate matrices 380 (2004) 185

You, H., see Nan, J. 305 (2000) 161

You, H., see Wang, X.T. 392 (2004) 183

You, H., see Yan, Z. 359 (2003) 29

You, H., see Zheng, B. 357 (2002) 45 You, L.-H., see Shao, J.-Y. 395 (2005) 229

You, L.-H., see Snao, J.-Y. 395 (2005) 229 Yousefi, H., see Hadwin, D. 383 (2004) 213

Yu, A., M. Lu and F. Tian, Characterization on graphs which achieve a Das' upper bound for Laplacian spectral radius 400 (2005) 271

Yu, A., M. Lu and F. Tian, On the spectral radius of graphs 387 (2004) 41

Yuan, J.-Y., The Ostrowski-Reich theorem for SOR iterations: extensions to the rank deficient case 315 (2000) 189

Yuan, Y.-X., see Anstreicher, K. 301 (1999) 121

Yun, J.H., see Kim, S.W. 317 (2000) 103

Zaballa, I., see Amparan, A. 379 (2004) 249 Zaballa, I., see Baragaña, I. 379 (2004) 201

Zaballa, I., see Baragaña, I. 351–352 (2002) 69 Zaballa, I., see Cabral, I. 332–334 (2001) 447

Zaballa, I., see Puerta, F. 351–352 (2002) 601 Zaballa, I., see Roca, A. 332–334 (2001) 401

Zaballa, I., see Roca, A. 385 (2004) 407

Zagalak, P., see Mondié, S. 317 (2000) 177 Zahaf, T., see Klein, A. 321 (2000) 209

Zaharia, A., see Li, C.-K. 308 (2000) 139 Zaïmi, T., On the integer form of the additive

Hilbert's Theorem 90 390 (2004) 175 Zalar, B., Linear operators preserving the sign-

real spectral radius 301 (1999) 99

Zalar, B., On semigroups of normal matrices
368 (2003) 191

Zalar, B., see Stachó, L.L. 384 (2004) 9

Zamarashkin, N.L., see Tyrtyshnikov, E.E. 343-344 (2002) 345

Zamarashkin, N.L., see Tyrtyshnikov, E.E. 366 (2003) 433

Zampieri, S., see Fagnani, F. 378 (2004) 31Zampieri, S., see Vettori, P. 351–352 (2002) 739

Zárate, L., see Reyes, E. 318 (2000) 173

Zaslavsky, B.G. and B.-S. Tam, On the Jordan form of an irreducible matrix with eventually nonnegative powers 302-303 (1999) 303

Zaslavsky, B.G. and J.J. McDonald, A characterization of Jordan canonical forms which are similar to eventually nonnegative matrices with the properties of nonnegative matrices 372 (2003) 253

Zavadskij, A., Tame equipped posets 365 (2003) 389

Zavadskij, A., see Medina, G. 392 (2004) 11 Zavorin I. D.P. O'Leary and H. Elman, Com

Zavorin, I., D.P. O'Leary and H. Elman, Complete stagnation of GMRES 367 (2003) 165Zbăganu, G.H., see Cohen, J.E. 395 (2005) 1

Zegarlinski, B., see Hebisch, W. 329 (2001) 89 Zeidan, V., see Došlý, O. 375 (2003) 21

Zeidan, V., see Dosly, O. 375 (2003) 21 Zeidan, V., see Hilscher, R. 367 (2003) 67

Zellini, P., see Di Fiore, C. 335 (2001) 1 Zellini, P., see Di Fiore, C. 366 (2003) 215

Zeng, L., Some applications of spectral theory of nonnegative matrices to input-output models 336 (2001) 205

Zennaro, M., see Guglielmi, N. 322 (2001) 169 Zennaro, M., see Guglielmi, N. 362 (2003) 11 Zha, H., see Golub, G.H. 309 (2000) 289

Zha, H., see Golub, G.H. 309 (2000) 289 Zhai, G., see Hu, B. 351–352 (2002) 475

Zhan, X., On some matrix inequalities 376 (2004) 299

Zhan, X., see Hiai, F. 341 (2002) 151

Zhan, X., see Hiai, F. 377 (2004) 155

Zhang, B.-X. and X.-H. Zhu, Gauss–Markov and weighted least-squares estimation under a general growth curve model 321 (2000) 387

Zhang, F., Schur complements and matrix inequalities in the Löwner ordering 321 (2000) 399

Zhang, F., see Liu, J. 378 (2004) 231

Zhang, F., see Wang, B.-Y. 302-303 (1999) 163

Zhang, F., see Wang, B.-Y. 305 (2000) 23

Zhang, J.-H., G.-X. Ji and H.-X. Cao, Local derivations of nest subalgebras of von Neumann algebras 392 (2004) 61

Zhang, J.-H., see Cao, H.-X. 345 (2002) 255 Zhang, K., see Miao, Z. 307 (2000) 15

Zhang, L., A characterization of the Drazin inverse 335 (2001) 183

Zhang, L., see Peng, Z.-y. 362 (2003) 191

Zhang, L., see Zhou, F.-Z. 364 (2003) 147

Zhang, Q.-b., see Yang, S.-j. 336 (2001) 201

Zhang, S., Z. Jiang and S. Liu, An application of the Gröbner basis in computation for the minimal polynomials and inverses of block circulant matrices 347 (2002) 101

Zhang, X., Additive preservers of rank on alternate matrix spaces over fields and applications 397 (2005) 325

Zhang, X., Idempotence-preserving maps without the linearity and surjectivity assumptions 387 (2004) 167

Zhang, X., Linear operators that preserve pairs of matrices which satisfy extreme rank properties—a supplementary version 375 (2003) 283

Zhang, X., Linear/additive preservers of rank 2 on spaces of alternate matrices over fields 396 (2005) 91

Zhang, X., Linear/additive preservers of ranks 2 and 4 on alternate matrix spaces over fields 392 (2004) 25

Zhang, X. and M.-y. Cheng, The rank-constrained Hermitian nonnegative-definite and positive-definite solutions to the matrix equation AXA' = B 370 (2003) 163

Zhang, X., see Cao, C.-g. 362 (2003) 145

Zhang, X., see Cao, C.-G. 397 (2005) 355

Zhang, X., see Hou, J. 387 (2004) 343

Zhang, X., see Hu, Y. 395 (2005) 247

Zhang, X., see Tang, X.M. 338 (2001) 145 Zhang, X., see Wang, B.-Y. 302–303 (1999) 163

Zhang, X., see Wang, B.-Y. 305 (2000) 23 Zhang, X.-D., On the two conjectures of Graf-

Zhang, X.-D., On the two conjectures of Graffiti 385 (2004) 369

Zhang, X.-D., The smallest eigenvalue for reversible Markov chains 383 (2004) 175

Zhang, X.-D., Two sharp upper bounds for the Laplacian eigenvalues 376 (2004) 207

Zhang, X.-D. and J.-S. Li, The Laplacian spectrum of a mixed graph 353 (2002) 11

Zhang, X.-D. and R. Luo, The Laplacian eigenvalues of mixed graphs 362 (2003) 109

Zhang, X.-D., see Berman, A. 316 (2000) 13 Zhang, X.-D., see Hwang, S.-G. 371 (2003)

Zhang, X.-M., see Ding, J. 367 (2003) 255

Zhang, Y., On Hermitian positive definite solutions of matrix equation $X + A^*X^{-2}A = I$ 372 (2003) 295

Zhang, Y.-L., see de Sá, E.M. 305 (2000) 1 Zhang, Y.-L., see de Sá, E.M. 305 (2000) 15 Zhang, Z. and L. Wu, Optimal low-rank approximation to a correlation matrix 364 (2003) 161

Zhang, Z., see Golub, G.H. 309 (2000) 289 Zhao, K., see Đoković, D.Ž. 384 (2004) 77

Zhao, L., see Hou, J. 399 (2005) 235

Zhao, S. and Y. Hong, On the bounds of maximal entries in the principal eigenvector of symmetric nonnegative matrix 340 (2002) 245

Zhao, X. and T. Wang, The algebraic properties of the generalized Pascal functional matrices associated with the exponential families 318 (2000) 45

Zheng, A., see Pan, V.Y. 310 (2000) 83

Zheng, B. and H. You, Products of commutators of transvections over local rings 357 (2002) 45

Zheng, B.D., Decomposition of matrices into commutators of involutions 347 (2002) 1

Zhong, Y., see Fillmore, P.A. 350 (2002) 185 Zhou, F., A rank criterion for the order of a pole of a matrix function 362 (2003) 287

Zhou, F., see Lancaster, P. 370 (2003) 257 Zhou, F.-Z., X.-Y. Hu and L. Zhang. The solvability conditions for the inverse eigenvalue

vability conditions for the inverse eigenvalue problems of centro-symmetric matrices 364 (2003) 147

Zhou, J., Lie algebras with almost dimensionally nilpotent inner derivations 320 (2000) 97

Zhou, J., see Huang, J. 397 (2005) 185 Zhou, X., see Chen, Q. 315 (2000) 175

Zhu, J. and C. Xiong, Generalized derivable mappings at zero point on some reflexive operator algebras 397 (2005) 367

Zhu, X.-H., see Zhang, B.-X. 321 (2000) 387Zieschang, P.-H., see Klin, M. 377 (2004) 83Zippin, M., A characterization of the Euclidean space 361 (2003) 3

Zizler, P., The spectral radius of a multivariate sampling operator 385 (2004) 463

Zobin, N., Some remarks on quasi-equivalence of bases in Fréchet spaces 307 (2000) 47

Zobin, N., see Caston, L. 322 (2001) 129 Zobin, N., see McCarthy, N. 347 (2002) 219

Zorzitto, F., see Okoh, F. 374 (2003) 41 Zorzitto, F., see Okoh, F. 374 (2003) 63

Zorzitto, F.A., see Okoh, F. 365 (2003) 311

Zou, Y., Z. Wang and X. Yong, On the largest kth eigenvalues of trees with $n \equiv 0 \pmod{k}$ 320 (2000) 173

Zubkov, A.N., see Kuz'min, S.G. 365 (2003) 271

Zygmunt, M.J., Matrix Chebyshev polynomials and continued fractions 340 (2002) 155

